Berliner
Astronomisches Jahrbuch

für

1917

mit Angaben für die Oppositionen
der Planeten (1)—(791) für 1915

142. Jahrgang

Herausgegeben

von dem

Königlichen Astronomischen Rechen-Institut

zu

Berlin

Berlin
Ferd. Dümmlers Verlagsbuchhandlung
(Kommissionsverlag)
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Königliches Astronomisches Rechen-Institut,
Berlin-Dahlem, Altenstein Str. 40

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Vorwort

Wie im Vorwort des Jahrgangs 1916 mitgeteilt, beruhen folgende Abschnitte auf auswärtigen Einsendungen auf Grund des internationalen Austausches:

1) Sonne, Mond und große Planeten (außer Merkur), übermittelt seitens des *Nautical Almanac Office*, *London*.
2) Polsterne, Jupiterstrabanten, Finsternisse, übermittelt seitens des *Bureau des Longitudes, Paris*.
3) Finsternisse, Sternbedeckungen, übermittelt seitens des *Nautical Almanac Office*, *Washington*.

Dafür wurden jenen Instituten die Ephemeriden der 555 Zeitsterne, des Merkur und der 8 älteren Saturnstrabanten im Voraus zur Verfügung gestellt.

Vom Jahrgang 1916 an ist der fundamentale Meridian, auf den alle Angaben bezogen sind, der Meridian von Greenwich*). Die Zeitangaben sind in Mittlerer Zeit Greenwich, die Kulminations-Phänomene für die Kulmination im Meridian von Greenwich gegeben.

Die Grundlagen des Berliner Astronomischen Jahrbuchs bilden:

Für die Sonne und die großen Planeten:

Die Tafeln von Newcomb und (für Jupiter und Saturn) von Hill, enthalten in:

Astronomical Papers of the American Ephemeris,
Vol. VI, Part I—IV: *Tables of the four inner planets*,
Vol. VII, Part I—IV: *Tables of Jupiter*, *Saturn*, *Uranus*, *Neptune*.

Für den Mond:

Tables de la lune von P. A. Hansen, unter Verbesserung der Tafel 34 für das Fundamentalargument nach Newcomb. Außerdem enthalten die Mondörter die empirischen Korrektionen von Newcomb nach: »Corrections to Hansen's tables of the Moon« (Washington, 1878).

*) Mit Ausnahme der Angaben über die kleinen Planeten, die, auf 1915 bezüglich, noch auf dem Meridian von Berlin belassen wurden.

Für die Fixsterne:

Neuer Fundamentalkatalog des Berliner Astronomischen Jahrbuchs nach den Grundlagen von A. Auwers, für die Epochen 1875 und 1900 bearbeitet von Dr. J. Peters (Veröffentlichung Nr. 33 des Königlichen Astronomischen Recheninstituts).

Als Werte der fundamentalen Reduktionsgrößen sind angenommen:

Die Präzessions-Größen nach S. Newcomb (vgl. H. Andoyer, Bull. Astr. 25, 67)
Die Nutations-Konstante . . . . 9″.21
Die Nutations-Größen nach S. Newcomb (Bull. Astr. 15, 241)
Die Aberrations-Konstante . . . . 20″.47
Die Sonnen-Parallaxe . . . . 8″.80
Die Abplattung der Erde . . . 1 : 297.0

Für die Satelliten:

Die Angaben über die 4 älteren Jupiterstrabanten beruhen auf den neuen Tafeln von R. A. Sampson (*Tables of the four great Satellites of Jupiter*. London 1910), die Angaben über die 8 älteren Saturnssatelliten auf den von H. Struve ermittelten Werten (Näheres s. Erläuterungen).

Ferner sind in allen Ephemeriden der Sonne, der Planeten und der Fixsterne die kurzperiodischen, von der Mondlänge abhängigen Nutationsglieder weggelassen; doch bietet das Jahrbuch die Möglichkeit, auch diese weggelassenen Glieder zu berücksichtigen (s. Erläuterungen).

Der Inhalt des Jahrbuchs hat gegen das Vorjahr nur ganz geringfügige Änderungen erfahren. Ein alphabetisches Sachregister ist am Schluß hinzugefügt. Auf die im Berliner Jahrbuch für 1916 gegebene Darstellung der »Grundbegriffe der Sphärischen Astronomie« samt den Zahlengrundlagen sei hier nur hingewiesen. Sonderabdrücke sind auf Wunsch durch das Astronomische Rechen-Institut, Berlin-Dahlem, zu erhalten.

Die Erweiterung des Jahrbuchs durch Aufnahme der Variabeln und ihrer Ephemeriden hat sich entgegen der ursprünglichen Absicht in dem vorliegenden Jahrgang noch nicht durchführen lassen, sondern muß dem nächsten Jahrgange vorbehalten bleiben.

Fritz Cohn.

Inhalt

Zeit- und Festrechnung 1917

Das Jahr 1917 entspricht dem
Jahr 6630 der Julianischen Periode und dem
Jahr 7425 — 7426 der Byzantinischen Ära

	Gregorianischer oder Neuer Kalender	Julianischer oder Alter Kalender
Goldene Zahl	18	18
Epakten	VI	XVIII
Sonnenzirkel	22	22
Sonntagsbuchstabe	G	A

	Gregorianischer oder Neuer Kalender	Tag im Julianischen Kalender	Tag im Gregorian. Kalender
Septuagesima	Febr. 4	Jan. 29	Febr. 11
Aschermittwoch	Febr. 21	Febr. 15	Febr. 28
I. Quatember	Febr. 28	Febr. 22	März 7
Ostersonntag	April 8	April 2	April 15
Himmelfahrt	Mai 17	Mai 11	Mai 24
Pfingstsonntag	Mai 27	Mai 21	Juni 3
II. Quatember	Mai 30	Mai 24	Juni 6
III. Quatember	Sept. 19	Sept. 20	Okt. 3
I. Advent	Dez. 2	Dez. 3	Dez. 16
IV. Quatember	Dez. 19	Dez. 20	Dez. 33

Kalender der Mohammedaner

1335 (Gemeinjahr)		
Rebî-el-accher 1	1917	Jan. 25
Dschemâdi-el-awwel 1	»	Febr. 23
Dschemâdi-el-accher 1	»	März 25
Redscheb 1	»	April 23
Schabân 1	»	Mai 23
Ramadân 1	»	Juni 21
Schewwâl 1	»	Juli 21
Dsû 'l-kade 1	»	Aug. 19
Dsû 'l-hedsche 1	»	Sept. 18
1336 (Schaltjahr)		
Moharrem 1	»	Okt. 17
Safar 1	»	Nov. 16
Rebî-el-awwel 1	»	Dez. 15

Kalender der Juden

5677	Tebet	10	Fasten. Belagerung Jerusalems	1917	Jan.	4
	Schebat	1		»		24
	Adar	1		»	Febr.	23
		13	Fasten-Esther	»	März	7
		14	Purim	»		8
		15	Schuschan-Purim	»		9
	Nisan	1		»		24
		15	Passah-Anfang*	»	April	7
		16	Zweites Fest*	»		8
		21	Siebentes Fest*	»		13
		22	Achtes Fest*	»		14
	Ijar	1		»		23
		18	Lag-B'omer	»	Mai	10
	Sivan	1		»		22
		6	Wochenfest*	»		27
		7	Zweites Fest*	»		28
	Thamuz	1		»	Juni	21
		18	Fasten. Tempeleroberung	»	Juli	8
	Ab	1		»		20
		10	Fasten. Tempelverbrennung	»		29
	Elul	1		»	Aug.	19
5678 {Überzähliges Gemeinjahr}						
	Tischri	1	Neujahrsfest*	1917	Sept.	17
		2	Zweites Fest*	»		18
		3	Fasten-Gedaljah	»		19
		10	Versöhnungsfest*	»		26
		15	Laubhüttenfest*	»	Okt.	1
		16	Zweites Fest*	»		2
		21	Palmenfest	»		7
		22	Versammlung oder Laubhüttenende*	»		8
		23	Gesetzesfreude*	»		9
	Marcheschwan	1		»		17
	Kislev	1		»	Nov.	16
		25	Tempelweihe	»	Dez.	10
	Tebet	1		»		16
		10	Fasten. Belagerung Jerusalems	»		25

Die mit * bezeichneten Festtage werden streng gefeiert

Astronomische Zeichen und Abkürzungen

Bezeichnung der **Wochentage**

☉	Sonntag
☾	Montag
♂	Dienstag
☿	Mittwoch
♃	Donnerstag
♀	Freitag
♄	Sonnabend

Adspekten

☌	Konjunktion
□	Quadratur
☍	Opposition

Mondphasen

●	Neumond
◐	Erstes Viertel
○	Vollmond
◑	Letztes Viertel

☊ Aufsteigender } Knoten
☋ Niedersteigender } Knoten

Zeichen
des Tierkreises und der Himmelskörper

♈	Widder . . .	0 Grad			
♉	Stier	30 »		☉	Sonne
♊	Zwillinge . .	60 »		☾	Mond
♋	Krebs	90 »		☿	Merkur
♌	Löwe	120 »		♀	Venus
♍	Jungfrau . .	150 »		♁	Erde
♎	Wage	180 »		♂	Mars
♏	Skorpion . .	210 »		♃	Jupiter
♐	Schütze . . .	240 »		♄	Saturn
♑	Steinbock . .	270 »		♅	Uranus
♒	Wassermann	300 »		♆	Neptun
♓	Fische . . .	330 »			

Sonne, Mond, Große Planeten

1917

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Jan. 1.0	Mo	+ 3 34.47	28.25	18 45 50.11	4 24.81	−23 1 56.7	5 3.9	71.03	16 17.54
2.0	Di	4 2.72	27.89	18 50 14.92	4 24.45	22 56 52.8	5 31.2	70.99	16 17.55
3.0	Mi	4 30.61	27.50	18 54 39.37	4 24.05	22 51 21.6	5 58.4	70.94	16 17.55
4.0	Do	4 58.11	27.08	18 59 3.42	4 23.64	22 45 23.2	6 25.5	70.89	16 17.55
5.0	Fr	5 25.19	26.64	19 3 27.06	4 23.19	22 38 57.7	6 52.3	70.83	16 17.54
6.0	Sa	5 51.83	26.16	19 7 50.25	4 22.73	22 32 5.4	7 19.0	70.77	16 17.52
7.0	St	+ 6 17.99	25.68	19 12 12.98	4 22.24	−22 24 46.4	7 45.4	70.71	16 17.50
8.0	Mo	6 43.67	25.16	19 16 35.22	4 21.72	22 17 1.0	8 11.7	70.64	16 17.47
9.0	Di	7 8.83	24.63	19 20 56.94	4 21.18	22 8 49.3	8 37.7	70.57	16 17.44
10.0	Mi	7 33.46	24.07	19 25 18.12	4 20.63	22 0 11.6	9 3.4	70.49	16 17.40
11.0	Do	7 57.53	23.49	19 29 38.75	4 20.05	21 51 8.2	9 29.0	70.41	16 17.35
12.0	Fr	8 21.02	22.90	19 33 58.80	4 19.45	21 41 39.2	9 54.3	70.33	16 17.30
13.0	Sa	+ 8 43.92	22.28	19 38 18.25	4 18.84	−21 31 44.9	10 19.2	70.25	16 17.24
14.0	St	9 6.20	21.65	19 42 37.09	4 18.21	21 21 25.7	10 44.0	70.16	16 17.18
15.0	Mo	9 27.85	20.99	19 46 55.30	4 17.55	21 10 41.7	11 8.4	70.07	16 17.11
16.0	Di	9 48.84	20.33	19 51 12.85	4 16.88	20 59 33.3	11 32.5	69.97	16 17.03
17.0	Mi	10 9.17	19.64	19 55 29.73	4 16.20	20 48 0.8	11 56.4	69.88	16 16.95
18.0	Do	10 28.81	18.94	19 59 45.93	4 15.49	20 36 4.4	12 19.8	69.78	16 16.87
19.0	Fr	+10 47.75	18.22	20 4 1.42	4 14.78	−20 23 44.6	12 42.9	69.68	16 16.78
20.0	Sa	11 5.97	17.48	20 8 16.20	4 14.05	20 11 1.7	13 5.8	69.58	16 16.69
21.0	St	11 23.45	16.74	20 12 30.25	4 13.29	19 57 55.9	13 28.1	69.47	16 16.59
22.0	Mo	11 40.19	15.96	20 16 43.54	4 12.52	19 44 27.8	13 50.1	69.37	16 16.49
23.0	Di	11 56.15	15.18	20 20 56.06	4 11.74	19 30 37.7	14 11.8	69.26	16 16.39
24.0	Mi	12 11.33	14.39	20 25 7.80	4 10.94	19 16 25.9	14 33.0	69.15	16 16.28
25.0	Do	+12 25.72	13.57	20 29 18.74	4 10.13	−19 1 52.9	14 53.9	69.04	16 16.18
26.0	Fr	12 39.29	12.76	20 33 28.87	4 9.31	18 46 59.0	15 14.3	68.93	16 16.06
27.0	Sa	12 52.05	11.92	20 37 38.18	4 8.48	18 31 44.7	15 34.3	68.82	16 15.95
28.0	St	13 3.97	11.09	20 41 46.66	4 7.65	18 16 10.4	15 54.0	68.70	16 15.83
29.0	Mo	13 15.06	10.26	20 45 54.31	4 6.82	18 0 16.4	16 13.2	68.59	16 15.70
30.0	Di	13 25.32	9.42	20 50 1.13	4 5.97	17 44 3.2	16 32.1	68.48	16 15.58
31.0	Mi	+13 34.74	8.58	20 54 7.10	4 5.13	−17 27 31.1	16 50.4	68.36	16 15.44
Febr. 1.0	Do	13 43.32	7.74	20 58 12.23	4 4.30	17 10 40.7	17 8.5	68.25	16 15.31
2.0	Fr	13 51.06	6.91	21 2 16.53	4 3.47	16 53 32.2	17 26.2	68.13	16 15.16
3.0	Sa	13 57.97	6.08	21 6 20.00	4 2.63	16 36 6.0	17 43.4	68.02	16 15.02
4.0	St	14 4.05	5.26	21 10 22.63	4 1.81	16 18 22.6	18 0.3	67.90	16 14.87
5.0	Mo	14 9.31	4.44	21 14 24.44	4 1.00	16 0 22.3	18 16.7	67.79	16 14.71
6.0	Di	+14 13.75	3.63	21 18 25.44	4 0.19	−15 42 5.6	18 32.8	67.68	16 14.55
7.0	Mi	14 17.38	2.83	21 22 25.63	3 59.39	15 23 32.8	18 48.5	67.56	16 14.38
8.0	Do	14 20.21	2.04	21 26 25.02	3 58.59	15 4 44.3	19 3.8	67.45	16 14.21
9.0	Fr	14 22.25	1.26	21 30 23.61	3 57.82	14 45 40.5	19 18.7	67.34	16 14.03
10.0	Sa	14 23.51	0.49	21 34 21.43	3 57.05	14 26 21.8	19 33.1	67.23	16 13.84
11.0	St	14 24.00		21 38 18.48		14 6 48.7		67.12	16 13.66

Mittlere Zeit Greenwich	Julian. Tag	Sternzeit	Mittleres Äquinoktium 1917.0 Länge		Breite	log R		Untergang in +50° Breite	Aufgang 0ʰ Länge
	2421	h m s	° ′ ″	′ ″	″			h m	h m
Jan. 1.0	230	18 42 15.64	280 32 8.16	61 9.08	+0.63	9.9926701	37	4 9	19 59
2.0	231	18 46 12.20	281 33 17.24	61 8.82	+0.62	9.9926664	12	4 10	19 59
3.0	232	18 50 8.75	282 34 26.06	61 8.55	+0.57	9.9926652	14	4 11	19 58
4.0	233	18 54 5.31	283 35 34.61	61 8.28	+0.50	9.9926666	41	4 12	19 58
5.0	234	18 58 1.87	284 36 42.89	61 8.01	+0.42	9.9926707	69	4 13	19 58
6.0	235	19 1 58.43	285 37 50.90	61 7.77	+0.31	9.9926776	97	4 14	19 58
7.0	236	19 5 54.99	286 38 58.67	61 7.54	+0.19	9.9926873	124	4 15	19 57
8.0	237	19 9 51.54	287 40 6.21	61 7.32	+0.06	9.9926997	152	4 16	19 57
9.0	238	19 13 48.10	288 41 13.53	61 7.10	−0.06	9.9927149	180	4 18	19 56
10.0	239	19 17 44.66	289 42 20.63	61 6.89	−0.19	9.9927329	207	4 19	19 56
11.0	240	19 21 41.22	290 43 27.52	61 6.70	−0.30	9.9927536	234	4 20	19 55
12.0	241	19 25 37.78	291 44 34.22	61 6.51	−0.40	9.9927770	260	4 22	19 55
13.0	242	19 29 34.33	292 45 40.73	61 6.32	−0.47	9.9928030	285	4 23	19 54
14.0	243	19 33 30.89	293 46 47.05	61 6.10	−0.51	9.9928315	309	4 24	19 53
15.0	244	19 37 27.45	294 47 53.15	61 5.88	−0.52	9.9928624	333	4 26	19 53
16.0	245	19 41 24.01	295 48 59.03	61 5.64	−0.51	9.9928957	354	4 27	19 52
17.0	246	19 45 20.57	296 50 4.67	61 5.36	−0.47	9.9929311	375	4 29	19 51
18.0	247	19 49 17.12	297 51 10.03	61 5.04	−0.40	9.9929686	394	4 30	19 50
19.0	248	19 53 13.68	298 52 15.07	61 4.65	−0.30	9.9930080	412	4 32	19 49
20.0	249	19 57 10.24	299 53 19.72	61 4.17	−0.18	9.9930492	427	4 34	19 48
21.0	250	20 1 6.79	300 54 23.89	61 3.60	−0.05	9.9930919	443	4 35	19 47
22.0	251	20 5 3.35	301 55 27.49	61 2.92	+0.08	9.9931362	456	4 37	19 46
23.0	252	20 8 59.91	302 56 30.41	61 2.12	+0.22	9.9931818	470	4 38	19 45
24.0	253	20 12 56.47	303 57 32.53	61 1.20	+0.35	9.9932288	484	4 40	19 44
25.0	254	20 16 53.02	304 58 33.73	61 0.17	+0.46	9.9932772	499	4 42	19 42
26.0	255	20 20 49.58	305 59 33.90	60 59.06	+0.56	9.9933271	515	4 43	19 41
27.0	256	20 24 46.14	307 0 32.96	60 57.88	+0.62	9.9933786	532	4 45	19 40
28.0	257	20 28 42.69	308 1 30.84	60 56.63	+0.66	9.9934318	549	4 47	19 39
29.0	258	20 32 39.25	309 2 27.47	60 55.34	+0.66	9.9934867	568	4 48	19 37
30.0	259	20 36 35.80	310 3 22.81	60 54.03	+0.64	9.9935435	589	4 50	19 36
31.0	260	20 40 32.36	311 4 16.84	60 52.70	+0.58	9.9936024	610	4 52	19 35
Febr. 1.0	261	20 44 28.92	312 5 9.54	60 51.37	+0.49	9.9936634	632	4 53	19 33
2.0	262	20 48 25.47	313 6 0.91	60 50.05	+0.38	9.9937266	654	4 55	19 32
3.0	263	20 52 22.03	314 6 50.96	60 48.73	+0.27	9.9937920	678	4 57	19 30
4.0	264	20 56 18.58	315 7 39.69	60 47.43	+0.14	9.9938598	700	4 59	19 29
5.0	265	21 0 15.14	316 8 27.12	60 46.14	+0.01	9.9939298	724	5 0	19 27
6.0	266	21 4 11.70	317 9 13.26	60 44.87	−0.11	9.9940022	748	5 2	19 25
7.0	267	21 8 8.25	318 9 58.13	60 43.61	−0.23	9.9940770	770	5 4	19 24
8.0	268	21 12 4.81	319 10 41.74	60 42.37	−0.33	9.9941540	794	5 5	19 22
9.0	269	21 16 1.36	320 11 24.11	60 41.16	−0.41	9.9942334	815	5 7	19 20
10.0	270	21 19 57.92	321 12 5.27	60 39.96	−0.47	9.9943149	837	5 9	19 19
11.0	271	21 23 54.47	322 12 45.23		−0.50	9.9943986		5 11	19 17

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Febr. 11.0	St	+14 24.00	0.27	21 38 18.48	3 56.28	−14 6 48.7	19 47.2	67.12	16 13.66
12.0	Mo	14 23.73	1.01	21 42 14.76	3 55.54	13 47 1.5	20 1.0	67.01	16 13.47
13.0	Di	14 22.72	1.75	21 46 10.30	3 54.81	13 27 0.5	20 14.2	66.90	16 13.27
14.0	Mi	14 20.97	2.47	21 50 5.11	3 54.09	13 6 46.3	20 27.1	66.79	16 13.07
15.0	Do	14 18.50	3.18	21 53 59.20	3 53.37	12 46 19.2	20 39.6	66.68	16 12.86
16.0	Fr	14 15.32	3.88	21 57 52.57	3 52.67	12 25 39.6	20 51.6	66.58	16 12.65
17.0	Sa	+14 11.44	4.57	22 1 45.24	3 51.99	−12 4 48.0	21 3.3	66.48	16 12.44
18.0	St	14 6.87	5.24	22 5 37.23	3 51.31	11 43 44.7	21 14.4	66.38	16 12.23
19.0	Mo	14 1.63	5.91	22 9 28.54	3 50.65	11 22 30.3	21 25.2	66.28	16 12.02
20.0	Di	13 55.72	6.57	22 13 19.19	3 49.98	11 1 5.1	21 35.4	66.18	16 11.80
21.0	Mi	13 49.15	7.21	22 17 9.17	3 49.34	10 39 29.7	21 45.4	66.09	16 11.58
22.0	Do	13 41.94	7.85	22 20 58.51	3 48.71	10 17 44.3	21 54.8	65.99	16 11.36
23.0	Fr	+13 34.09	8.48	22 24 47.22	3 48.07	− 9 55 49.5	22 3.7	65.90	16 11.14
24.0	Sa	13 25.61	9.08	22 28 35.29	3 47.47	9 33 45.8	22 12.2	65.81	16 10.92
25.0	St	13 16.53	9.69	22 32 22.76	3 46.87	9 11 33.6	22 20.4	65.73	16 10.69
26.0	Mo	13 6.84	10.27	22 36 9.63	3 46.28	8 49 13.2	22 28.1	65.64	16 10.46
27.0	Di	12 56.57	10.84	22 39 55.91	3 45.72	8 26 45.1	22 35.5	65.56	16 10.23
28.0	Mi	12 45.73	11.39	22 43 41.63	3 45.17	8 4 9.6	22 42.3	65.48	16 10.00
März 1.0	Do	+12 34.34	11.91	22 47 26.80	3 44.63	− 7 41 27.3	22 48.9	65.41	16 9.77
2.0	Fr	12 22.43	12.43	22 51 11.43	3 44.13	7 18 38.4	22 55.0	65.33	16 9.53
3.0	Sa	12 10.00	12.92	22 54 55.56	3 43.63	6 55 43.4	23 0.7	65.26	16 9.29
4.0	St	11 57.08	13.39	22 58 39.19	3 43.17	6 32 42.7	23 6.1	65.20	16 9.05
5.0	Mo	11 43.69	13.83	23 2 22.36	3 42.71	6 9 36.6	23 11.2	65.13	16 8.81
6.0	Di	11 29.86	14.27	23 6 5.07	3 42.29	5 46 25.4	23 15.8	65.07	16 8.56
7.0	Mi	+11 15.59	14.67	23 9 47.36	3 41.89	− 5 23 9.6	23 20.1	65.01	16 8.31
8.0	Do	11 0.92	15.05	23 13 29.25	3 41.50	4 59 49.5	23 24.0	64.95	16 8.06
9.0	Fr	10 45.87	15.42	23 17 10.75	3 41.14	4 36 25.5	23 27.5	64.90	16 7.80
10.0	Sa	10 30.45	15.75	23 20 51.89	3 40.80	4 12 58.0	23 30.8	64.84	16 7.54
11.0	St	10 14.70	16.06	23 24 32.69	3 40.49	3 49 27.2	23 33.7	64.80	16 7.27
12.0	Mo	9 58.64	16.35	23 28 13.18	3 40.20	3 25 53.5	23 36.1	64.75	16 7.01
13.0	Di	+ 9 42.29	16.62	23 31 53.38	3 39.93	− 3 2 17.4	23 38.3	64.71	16 6.74
14.0	Mi	9 25.67	16.87	23 35 33.31	3 39.69	2 38 39.1	23 40.0	64.67	16 6.47
15.0	Do	9 8.80	17.09	23 39 13.00	3 39.46	2 14 59.1	23 41.4	64.63	16 6.20
16.0	Fr	8 51.71	17.29	23 42 52.46	3 39.27	1 51 17.7	23 42.5	64.59	16 5.92
17.0	Sa	8 34.42	17.47	23 46 31.73	3 39.08	1 27 35.2	23 43.2	64.56	16 5.65
18.0	St	8 16.95	17.63	23 50 10.81	3 38.92	1 3 52.0	23 43.4	64.53	16 5.37
19.0	Mo	+ 7 59.32	17.77	23 53 49.73	3 38.78	− 0 40 8.6	23 43.4	64.51	16 5.10
20.0	Di	7 41.55	17.90	23 57 28.51	3 38.66	− 0 16 25.2	23 42.8	64.49	16 4.82
21.0	Mi	7 23.65	18.01	0 1 7.17	3 38.54	+ 0 7 17.6	23 41.9	64.47	16 4.54
22.0	Do	7 5.64	18.10	0 4 45.71	3 38.45	0 30 59.5	23 40.7	64.45	16 4.27
23.0	Fr	6 47.54	18.18	0 8 24.16	3 38.38	0 54 40.2	23 39.0	64.44	16 3.99
24.0	Sa	6 29.36		0 12 2.54		1 18 19.2		64.43	16 3.72

Mittlere Zeit Greenwich	Julian. Tag	Sternzeit	Mittleres Äquinoktium 1917.0 Länge		Breite	log R		Untergang in +50° Breite	Aufgang 0h Länge
	2421	h m s	° ′ ″	′ ″	″			h m	h m
Febr. 11.0	271	21 23 54.47	322 12 45.23	60 38.78	−0.50	9.9943986	858	5 11	19 17
12.0	272	21 27 51.03	323 13 24.01	60 37.61	−0.50	9.9944844	877	5 12	19 15
13.0	273	21 31 47.58	324 14 1.62	60 36.45	−0.47	9.9945721	896	5 14	19 14
14.0	274	21 35 44.14	325 14 38.07	60 35.28	−0.41	9.9946617	912	5 16	19 12
15.0	275	21 39 40.69	326 15 13.35	60 34.10	−0.31	9.9947529	928	5 18	19 10
16.0	276	21 43 37.25	327 15 47.45	60 32.88	−0.20	9.9948457	940	5 19	19 8
17.0	277	21 47 33.81	328 16 20.33	60 31.61	−0.07	9.9949397	952	5 21	19 6
18.0	278	21 51 30.36	329 16 51.94	60 30.28	+0.07	9.9950349	962	5 23	19 4
19.0	279	21 55 26.91	330 17 22.22	60 28.86	+0.21	9.9951311	970	5 24	19 2
20.0	280	21 59 23.47	331 17 51.08	60 27.35	+0.34	9.9952281	978	5 26	19 1
21.0	281	22 3 20.02	332 18 18.43	60 25.74	+0.45	9.9953259	985	5 28	18 59
22.0	282	22 7 16.57	333 18 44.17	60 24.02	+0.54	9.9954244	991	5 30	18 57
23.0	283	22 11 13.13	334 19 8.19	60 22.20	+0.61	9.9955235	999	5 31	18 55
24.0	284	22 15 9.68	335 19 30.39	60 20.31	+0.65	9.9956234	1005	5 33	18 53
25.0	285	22 19 6.24	336 19 50.70	60 18.34	+0.65	9.9957239	1015	5 35	18 51
26.0	286	22 23 2.79	337 20 9.04	60 16.33	+0.62	9.9958254	1024	5 36	18 49
27.0	287	22 26 59.34	338 20 25.37	60 14.29	+0.57	9.9959278	1034	5 38	18 47
28.0	288	22 30 55.90	339 20 39.66	60 12.23	+0.49	9.9960312	1046	5 40	18 45
März 1.0	289	22 34 52.45	340 20 51.89	60 10.16	+0.38	9.9961358	1057	5 41	18 43
2.0	290	22 38 49.01	341 21 2.05	60 8.11	+0.28	9.9962415	1071	5 43	18 41
3.0	291	22 42 45.56	342 21 10.16	60 6.06	+0.16	9.9963486	1083	5 45	18 39
4.0	292	22 46 42.11	343 21 16.22	60 4.02	+0.03	9.9964569	1098	5 46	18 36
5.0	293	22 50 38.67	344 21 20.24	60 2.01	−0.10	9.9965667	1112	5 48	18 34
6.0	294	22 54 35.22	345 21 22.25	60 0.01	−0.21	9.9966779	1125	5 49	18 32
7.0	295	22 58 31.77	346 21 22.26	59 58.03	−0.31	9.9967904	1140	5 51	18 30
8.0	296	23 2 28.33	347 21 20.29	59 56.10	−0.39	9.9969044	1154	5 53	18 28
9.0	297	23 6 24.88	348 21 16.39	59 54.23	−0.45	9.9970198	1167	5 54	18 26
10.0	298	23 10 21.43	349 21 10.62	59 52.40	−0.48	9.9971365	1181	5 56	18 24
11.0	299	23 14 17.99	350 21 3.02	59 50.59	−0.48	9.9972546	1194	5 58	18 22
12.0	300	23 18 14.54	351 20 53.61	59 48.81	−0.46	9.9973740	1206	5 59	18 20
13.0	301	23 22 11.09	352 20 42.42	59 47.08	−0.41	9.9974946	1216	6 1	18 17
14.0	302	23 26 7.64	353 20 29.50	59 45.39	−0.33	9.9976162	1224	6 2	18 15
15.0	303	23 30 4.20	354 20 14.89	59 43.70	−0.23	9.9977386	1233	6 4	18 13
16.0	304	23 34 0.75	355 19 58.59	59 42.02	−0.11	9.9978619	1238	6 6	18 11
17.0	305	23 37 57.30	356 19 40.61	59 40.33	+0.03	9.9979857	1242	6 7	18 9
18.0	306	23 41 53.86	357 19 20.94	59 38.61	+0.15	9.9981099	1244	6 9	18 7
19.0	307	23 45 50.41	358 18 59.55	59 36.85	+0.28	9.9982343	1245	6 10	18 4
20.0	308	23 49 46.96	359 18 36.40	59 35.03	+0.41	9.9983588	1243	6 12	18 2
21.0	309	23 53 43.52	0 18 11.43	59 33.13	+0.51	9.9984831	1241	6 14	18 0
22.0	310	23 57 40.07	1 17 44.56	59 31.16	+0.58	9.9986072	1238	6 15	17 58
23.0	311	0 1 36.62	2 17 15.72	59 29.10	+0.61	9.9987310	1234	6 17	17 56
24.0	312	0 5 33.17	3 16 44.82		+0.62	9.9988544		6 18	17 53

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
März 24.0	Sa	+6 29.36	18.24	0 12 2.54	3 38.31	+1 18 19.2	23 37.0	64.43	16 3.72
25.0	St	6 11.12	18.28	0 15 40.85	3 38.27	1 41 56.2	23 34.4	64.42	16 3.45
26.0	Mo	5 52.84	18.31	0 19 19.12	3 38.24	2 5 30.6	23 31.7	64.42	16 3.17
27.0	Di	5 34.53	18.33	0 22 57.36	3 38.23	2 29 2.3	23 28.5	64.42	16 2.90
28.0	Mi	5 16.20	18.31	0 26 35.59	3 38.24	2 52 30.8	23 25.0	64.42	16 2.63
29.0	Do	4 57.89	18.29	0 30 13.83	3 38.27	3 15 55.8	23 21.1	64.42	16 2.36
30.0	Fr	+4 39.60	18.24	0 33 52.10	3 38.31	+3 39 16.9	23 16.9	64.43	16 2.09
31.0	Sa	4 21.36	18.17	0 37 30.41	3 38.38	4 2 33.8	23 12.3	64.44	16 1.82
April 1.0	St	4 3.19	18.08	0 41 8.79	3 38.47	4 25 46.1	23 7.4	64.46	16 1.55
2.0	Mo	3 45.11	17.98	0 44 47.26	3 38.57	4 48 53.5	23 2.2	64.47	16 1.28
3.0	Di	3 27.13	17.85	0 48 25.83	3 38.71	5 11 55.7	22 56.7	64.49	16 1.00
4.0	Mi	3 9.28	17.70	0 52 4.54	3 38.85	5 34 52.4	22 50.7	64.52	16 0.73
5.0	Do	+2 51.58	17.53	0 55 43.39	3 39.02	+5 57 43.1	22 44.6	64.54	16 0.46
6.0	Fr	2 34.05	17.34	0 59 22.41	3 39.22	6 20 27.7	22 38.0	64.57	16 0.18
7.0	Sa	2 16.71	17.13	1 3 1.63	3 39.42	6 43 5.7	22 31.2	64.60	15 59.91
8.0	St	1 59.58	16.89	1 6 41.05	3 39.66	7 5 36.9	22 24.0	64.63	15 59.64
9.0	Mo	1 42.69	16.63	1 10 20.71	3 39.92	7 28 0.9	22 16.5	64.67	15 59.36
10.0	Di	1 26.06	16.37	1 14 0.63	3 40.20	7 50 17.4	22 8.7	64.71	15 59.08
11.0	Mi	+1 9.69	16.06	1 17 40.83	3 40.49	+8 12 26.1	22 0.6	64.75	15 58.81
12.0	Do	0 53.63	15.75	1 21 21.32	3 40.80	8 34 26.7	21 52.1	64.79	15 58.53
13.0	Fr	0 37.88	15.41	1 25 2.12	3 41.14	8 56 18.8	21 43.3	64.84	15 58.25
14.0	Sa	0 22.47	15.06	1 28 43.26	3 41.50	9 18 2.1	21 34.2	64.88	15 57.98
15.0	St	+0 7.41	14.69	1 32 24.76	3 41.86	9 39 36.3	21 24.7	64.93	15 57.70
16.0	Mo	−0 7.28	14.31	1 36 6.62	3 42.25	10 1 1.0	21 14.9	64.98	15 57.43
17.0	Di	−0 21.59	13.91	1 39 48.87	3 42.64	+10 22 15.9	21 4.7	65.04	15 57.16
18.0	Mi	0 35.50	13.51	1 43 31.51	3 43.04	10 43 20.6	20 54.1	65.10	15 56.89
19.0	Do	0 49.01	13.09	1 47 14.55	3 43.47	11 4 14.7	20 43.2	65.15	15 56.63
20.0	Fr	1 2.10	12.66	1 50 58.02	3 43.89	11 24 57.9	20 32.0	65.21	15 56.36
21.0	Sa	1 14.76	12.23	1 54 41.91	3 44.32	11 45 29.9	20 20.4	65.28	15 56.11
22.0	St	1 26.99	11.79	1 58 26.23	3 44.77	12 5 50.3	20 8.3	65.34	15 55.85
23.0	Mo	−1 38.78	11.34	2 2 11.00	3 45.22	+12 25 58.6	19 56.1	65.41	15 55.59
24.0	Di	1 50.12	10.87	2 5 56.22	3 45.68	12 45 54.7	19 43.4	65.48	15 55.34
25.0	Mi	2 0.99	10.41	2 9 41.90	3 46.14	13 5 38.1	19 30.4	65.55	15 55.09
26.0	Do	2 11.40	9.93	2 13 28.04	3 46.62	13 25 8.5	19 17.1	65.62	15 54.85
27.0	Fr	2 21.33	9.45	2 17 14.66	3 47.11	13 44 25.6	19 3.5	65.69	15 54.61
28.0	Sa	2 30.78	8.96	2 21 1.77	3 47.60	14 3 29.1	18 49.6	65.76	15 54.37
29.0	St	−2 39.74	8.45	2 24 49.37	3 48.10	+14 22 18.7	18 35.2	65.84	15 54.13
30.0	Mo	2 48.19	7.94	2 28 37.47	3 48.62	14 40 53.9	18 20.7	65.92	15 53.89
Mai 1.0	Di	2 56.13	7.42	2 32 26.09	3 49.13	14 59 14.6	18 5.9	65.99	15 53.66
2.0	Mi	3 3.55	6.90	2 36 15.22	3 49.66	15 17 20.5	17 50.7	66.07	15 53.43
3.0	Do	3 10.45	6.36	2 40 4.88	3 50.20	15 35 11.2	17 35.1	66.15	15 53.19
4.0	Fr	3 16.81		2 43 55.08		15 52 46.3		66.23	15 52.97

Mittlere Zeit Greenwich	Julian. Tag	Sternzeit	Mittleres Äquinoktium 1917.0 Länge		Breite	log R		Untergang in +50° Breite	Aufgang in 0° Länge
	2421	h m s	° ′ ″	′ ″	″			h m	h m
März 24.0	312	0 5 33.17	3 16 44.82	59 26.96	+0.62	9.9988544	1230	6 18	17 53
25.0	313	0 9 29.73	4 16 11.78	59 24.76	+0.60	9.9989774	1227	6 20	17 51
26.0	314	0 13 26.28	5 15 36.54	59 22.51	+0.55	9.9991001	1225	6 22	17 49
27.0	315	0 17 22.83	6 14 59.05	59 20.22	+0.48	9.9992226	1224	6 23	17 47
28.0	316	0 21 19.39	7 14 19.27	59 17.91	+0.38	9.9993450	1222	6 25	17 45
29.0	317	0 25 15.94	8 13 37.18	59 15.60	+0.27	9.9994672	1222	6 26	17 43
30.0	318	0 29 12.49	9 12 52.78	59 13.28	+0.15	9.9995894	1224	6 28	17 40
31.0	319	0 33 9.05	10 12 6.06	59 10.98	+0.03	9.9997118	1224	6 29	17 38
April 1.0	320	0 37 5.60	11 11 17.04	59 8.70	−0.09	9.9998342	1226	6 31	17 36
2.0	321	0 41 2.15	12 10 25.74	59 6.44	−0.21	9.9999568	1229	6 33	17 34
3.0	322	0 44 58.70	13 9 32.18	59 4.21	−0.31	0.0000797	1231	6 34	17 32
4.0	323	0 48 55.26	14 8 36.39	59 2.02	−0.39	0.0002028	1234	6 36	17 30
5.0	324	0 52 51.81	15 7 38.41	58 59.88	−0.45	0.0003262	1238	6 37	17 27
6.0	325	0 56 48.36	16 6 38.29	58 57.79	−0.50	0.0004500	1241	6 39	17 25
7.0	326	1 0 44.92	17 5 36.08	58 55.76	−0.51	0.0005741	1244	6 40	17 23
8.0	327	1 4 41.47	18 4 31.84	58 53.80	−0.50	0.0006985	1247	6 42	17 21
9.0	328	1 8 38.02	19 3 25.64	58 51.90	−0.45	0.0008232	1250	6 43	17 19
10.0	329	1 12 34.58	20 2 17.54	58 50.06	−0.38	0.0009482	1252	6 45	17 17
11.0	330	1 16 31.13	21 1 7.60	58 48.27	−0.28	0.0010734	1251	6 47	17 15
12.0	331	1 20 27.69	21 59 55.87	58 46.55	−0.16	0.0011985	1250	6 48	17 13
13.0	332	1 24 24.24	22 58 42.42	58 44.87	−0.03	0.0013235	1248	6 50	17 10
14.0	333	1 28 20.79	23 57 27.29	58 43.21	+0.09	0.0014483	1244	6 51	17 8
15.0	334	1 32 17.35	24 56 10.50	58 41.55	+0.22	0.0015727	1236	6 53	17 6
16.0	335	1 36 13.90	25 54 52.05	58 39.89	+0.34	0.0016963	1229	6 54	17 4
17.0	336	1 40 10.46	26 53 31.94	58 38.21	+0.44	0.0018192	1220	6 56	17 2
18.0	337	1 44 7.01	27 52 10.15	58 36.49	+0.51	0.0019412	1208	6 57	17 0
19.0	338	1 48 3.56	28 50 46.64	58 34.71	+0.55	0.0020620	1195	6 59	16 58
20.0	339	1 52 0.12	29 49 21.35	58 32.88	+0.56	0.0021815	1182	7 1	16 56
21.0	340	1 55 56.67	30 47 54.23	58 30.99	+0.55	0.0022997	1169	7 2	16 54
22.0	341	1 59 53.23	31 46 25.22	58 29.05	+0.50	0.0024166	1154	7 4	16 52
23.0	342	2 3 49.78	32 44 54.27	58 27.05	+0.43	0.0025320	1141	7 5	16 50
24.0	343	2 7 46.34	33 43 21.32	58 25.02	+0.33	0.0026461	1129	7 7	16 49
25.0	344	2 11 42.89	34 41 46.34	58 22.96	+0.20	0.0027590	1115	7 8	16 47
26.0	345	2 15 39.45	35 40 9.30	58 20.89	+0.08	0.0028705	1104	7 10	16 45
27.0	346	2 19 36.00	36 38 30.19	58 18.83	−0.05	0.0029809	1094	7 12	16 43
28.0	347	2 23 32.55	37 36 49.02	58 16.78	−0.17	0.0030903	1083	7 13	16 41
29.0	348	2 27 29.11	38 35 5.80	58 14.74	−0.30	0.0031986	1073	7 15	16 39
30.0	349	2 31 25.66	39 33 20.54	58 12.73	−0.41	0.0033059	1065	7 16	16 37
Mai 1.0	350	2 35 22.22	40 31 33.27	58 10.75	−0.49	0.0034124	1056	7 18	16 36
2.0	351	2 39 18.77	41 29 44.02	58 8.80	−0.56	0.0035180	1049	7 19	16 34
3.0	352	2 43 15.33	42 27 52.82	58 6.91	−0.60	0.0036229	1041	7 21	16 32
4.0	353	2 47 11.88	43 25 59.73		−0.61	0.0037270		7 22	16 30

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Mai 4.0	Fr	−3 16.81	5.81	2 43 55.08	3 50.74	+15 52 46.3	17 19.5	66.23	15 52.97
5.0	Sa	3 22.62	5.27	2 47 45.82	3 51.29	16 10 5.8	17 3.3	66.31	15 52.74
6.0	St	3 27.89	4.70	2 51 37.11	3 51.85	16 27 9.1	16 47.0	66.39	15 52.51
7.0	Mo	3 32.59	4.14	2 55 28.96	3 52.42	16 43 56.1	16 30.3	66.47	15 52.29
8.0	Di	3 36.73	3.56	2 59 21.38	3 53.00	17 0 26.4	16 13.4	66.55	15 52.07
9.0	Mi	3 40.29	2.97	3 3 14.38	3 53.57	17 16 39.8	15 56.2	66.64	15 51.84
10.0	Do	−3 43.26	2.39	3 7 7.95	3 54.17	+17 32 36.0	15 38.7	66.72	15 51.62
11.0	Fr	3 45.65	1.80	3 11 2.12	3 54.76	17 48 14.7	15 20.9	66.80	15 51.41
12.0	Sa	3 47.45	1.20	3 14 56.88	3 55.35	18 3 35.6	15 2.7	66.88	15 51.19
13.0	St	3 48.65	0.61	3 18 52.23	3 55.95	18 18 38.3	14 44.4	66.96	15 50.98
14.0	Mo	3 49.26	0.01	3 22 48.18	3 56.54	18 33 22.7	14 25.7	67.04	15 50.77
15.0	Di	3 49.27	0.57	3 26 44.72	3 57.13	18 47 48.4	14 6.8	67.12	15 50.56
16.0	Mi	−3 48.70	1.16	3 30 41.85	3 57.72	+19 1 55.2	13 47.4	67.20	15 50.36
17.0	Do	3 47.54	1.74	3 34 39.57	3 58.30	19 15 42.6	13 27.9	67.28	15 50.16
18.0	Fr	3 45.80	2.31	3 38 37.87	3 58.87	19 29 10.5	13 8.1	67.36	15 49.96
19.0	Sa	3 43.49	2.87	3 42 36.74	3 59.42	19 42 18.6	12 47.9	67.44	15 49.77
20.0	St	3 40.62	3.42	3 46 36.16	3 59.97	19 55 6.5	12 27.6	67.52	15 49.58
21.0	Mo	3 37.20	3.95	3 50 36.13	4 0.52	20 7 34.1	12 6.9	67.60	15 49.40
22.0	Di	−3 33.25	4.48	3 54 36.65	4 1.04	+20 19 41.0	11 46.1	67.67	15 49.23
23.0	Mi	3 28.77	4.99	3 58 37.69	4 1.54	20 31 27.1	11 24.9	67.75	15 49.05
24.0	Do	3 23.78	5.49	4 2 39.23	4 2.05	20 42 52.0	11 3.5	67.82	15 48.89
25.0	Fr	3 18.29	5.97	4 6 41.28	4 2.53	20 53 55.5	10 41.9	67.89	15 48.72
26.0	Sa	3 12.32	6.45	4 10 43.81	4 3.00	21 4 37.4	10 20.1	67.96	15 48.56
27.0	St	3 5.87	6.91	4 14 46.81	4 3.47	21 14 57.5	9 58.1	68.03	15 48.41
28.0	Mo	−2 58.96	7.36	4 18 50.28	4 3.91	+21 24 55.6	9 35.8	68.10	15 48.26
29.0	Di	2 51.60	7.79	4 22 54.19	4 4.35	21 34 31.4	9 13.4	68.16	15 48.11
30.0	Mi	2 43.81	8.20	4 26 58.54	4 4.76	21 43 44.8	8 50.8	68.22	15 47.97
31.0	Do	2 35.61	8.61	4 31 3.30	4 5.17	21 52 35.6	8 28.0	68.28	15 47.83
Juni 1.0	Fr	2 27.00	9.00	4 35 8.47	4 5.55	22 1 3.6	8 5.0	68.34	15 47.69
2.0	Sa	2 18.00	9.37	4 39 14.02	4 5.94	22 9 8.6	7 41.9	68.40	15 47.56
3.0	St	−2 8.63	9.74	4 43 19.96	4 6.29	+22 16 50.5	7 18.6	68.45	15 47.43
4.0	Mo	1 58.89	10.09	4 47 26.25	4 6.64	22 24 9.1	6 55.1	68.50	15 47.30
5.0	Di	1 48.80	10.42	4 51 32.89	4 6.98	22 31 4.2	6 31.6	68.55	15 47.18
6.0	Mi	1 38.38	10.74	4 55 39.87	4 7.31	22 37 35.8	6 7.8	68.60	15 47.06
7.0	Do	1 27.64	11.05	4 59 47.18	4 7.61	22 43 43.6	5 43.9	68.64	15 46.94
8.0	Fr	1 16.59	11.35	5 3 54.79	4 7.90	22 49 27.5	5 19.9	68.68	15 46.82
9.0	Sa	−1 5.24	11.62	5 8 2.69	4 8.17	+22 54 47.4	4 55.8	68.72	15 46.71
10.0	St	0 53.62	11.87	5 12 10.86	4 8.43	22 59 43.2	4 31.5	68.75	15 46.60
11.0	Mo	0 41.75	12.11	5 16 19.29	4 8.68	23 4 14.7	4 7.2	68.78	15 46.49
12.0	Di	0 29.64	12.33	5 20 27.97	4 8.88	23 8 21.9	3 42.8	68.81	15 46.38
13.0	Mi	0 17.31	12.52	5 24 36.85	4 9.08	23 12 4.7	3 18.1	68.83	15 46.29
14.0	Do	−0 4.79		5 28 45.93		23 15 22.8		68.86	15 46.19

Mittlere Zeit Greenwich	Julian. Tag	Sternzeit	Mittleres Äquinoktium 1917.0 Länge		Breite	log *R*		Untergang in +50° Breite	Aufgang 0ʰ Länge
	2421	h m s	° ′ ″	′ ″	″			h m	h m
Mai 4.0	353	2 47 11.88	43 25 59.73	58 5.07	−0.61	0.0037270	1036	7 22	16 30
5.0	354	2 51 8.44	44 24 4.80	58 3.30	−0.59	0.0038306	1029	7 24	16 29
6.0	355	2 55 5.00	45 22 8.10	58 1.61	−0.56	0.0039335	1023	7 25	16 27
7.0	356	2 59 1.55	46 20 9.71	58 0.01	−0.49	0.0040358	1017	7 27	16 25
8.0	357	3 2 58.11	47 18 9.72	57 58.49	−0.38	0.0041375	1011	7 28	16 24
9.0	358	3 6 54.66	48 16 8.21	57 57.06	−0.27	0.0042386	1004	7 30	16 22
10.0	359	3 10 51.22	49 14 5.27	57 55.69	−0.15	0.0043390	995	7 31	16 21
11.0	360	3 14 47.77	50 12 0.96	57 54.41	−0.02	0.0044385	986	7 33	16 19
12.0	361	3 18 44.33	51 9 55.37	57 53.19	+0.12	0.0045371	974	7 34	16 18
13.0	362	3 22 40.89	52 7 48.56	57 51.99	+0.23	0.0046345	961	7 36	16 16
14.0	363	3 26 37.44	53 5 40.55	57 50.81	+0.33	0.0047306	947	7 37	16 15
15.0	364	3 30 34.00	54 3 31.36	57 49.65	+0.42	0.0048253	930	7 38	16 13
16.0	365	3 34 30.56	55 1 21.01	57 48.50	+0.47	0.0049183	913	7 40	16 12
17.0	366	3 38 27.11	55 59 9.51	57 47.31	+0.47	0.0050096	893	7 41	16 11
18.0	367	3 42 23.67	56 56 56.82	57 46.08	+0.46	0.0050989	873	7 43	16 9
19.0	368	3 46 20.22	57 54 42.90	57 44.81	+0.42	0.0051862	853	7 44	16 8
20.0	369	3 50 16.78	58 52 27.71	57 43.51	+0.35	0.0052715	830	7 45	16 7
21.0	370	3 54 13.34	59 50 11.22	57 42.18	+0.25	0.0053545	809	7 47	16 6
22.0	371	3 58 9.90	60 47 53.40	57 40.82	+0.13	0.0054354	788	7 48	16 5
23.0	372	4 2 6.45	61 45 34.22	57 39.41	0.00	0.0055142	767	7 49	16 4
24.0	373	4 6 3.01	62 43 13.63	57 37.99	−0.13	0.0055909	746	7 50	16 2
25.0	374	4 9 59.57	63 40 51.62	57 36.56	−0.26	0.0056655	727	7 52	16 1
26.0	375	4 13 56.12	64 38 28.18	57 35.15	−0.38	0.0057382	708	7 53	16 0
27.0	376	4 17 52.68	65 36 3.33	57 33.78	−0.49	0.0058090	689	7 54	15 59
28.0	377	4 21 49.24	66 33 37.11	57 32.42	−0.58	0.0058779	672	7 55	15 59
29.0	378	4 25 45.79	67 31 9.53	57 31.05	−0.65	0.0059451	655	7 57	15 58
30.0	379	4 29 42.35	68 28 40.58	57 29.71	−0.70	0.0060106	639	7 58	15 57
31.0	380	4 33 38.91	69 26 10.29	57 28.42	−0.72	0.0060745	624	7 59	15 56
Juni 1.0	381	4 37 35.47	70 23 38.71	57 27.20	−0.70	0.0061369	610	8 0	15 55
2.0	382	4 41 32.02	71 21 5.91	57 26.03	−0.66	0.0061979	597	8 1	15 55
3.0	383	4 45 28.58	72 18 31.94	57 24.94	−0.59	0.0062576	584	8 2	15 54
4.0	384	4 49 25.14	73 15 56.88	57 23.93	−0.50	0.0063160	572	8 3	15 53
5.0	385	4 53 21.70	74 13 20.81	57 23.04	−0.39	0.0063732	560	8 4	15 53
6.0	386	4 57 18.25	75 10 43.85	57 22.26	−0.26	0.0064292	549	8 5	15 52
7.0	387	5 1 14.81	76 8 6.11	57 21.56	−0.13	0.0064841	535	8 5	15 52
8.0	388	5 5 11.37	77 5 27.67	57 20.94	+0.01	0.0065376	522	8 6	15 51
9.0	389	5 9 7.93	78 2 48.61	57 20.42	+0.13	0.0065898	506	8 7	15 51
10.0	390	5 13 4.49	79 0 9.03	57 19.97	+0.25	0.0066404	490	8 8	15 51
11.0	391	5 17 1.04	79 57 29.00	57 19.56	+0.34	0.0066894	473	8 8	15 51
12.0	392	5 20 57.60	80 54 48.56	57 19.18	+0.40	0.0067367	452	8 9	15 50
13.0	393	5 24 54.16	81 52 7.74	57 18.81	+0.43	0.0067819	432	8 9	15 50
14.0	394	5 28 50.72	82 49 26.55		+0.42	0.0068251		8 10	15 50

Mittlere Zeit Greenwich		Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
			m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Juni	14.0	Do	−0 4.79	12.68	5 28 45.93	4 9.24	+23 15 22.8	2 53.6	68.86	15 46.19
	15.0	Fr	+0 7.89	12.83	5 32 55.17	4 9.38	23 18 16.4	2 28.9	68.88	15 46.10
	16.0	Sa	0 20.72	12.94	5 37 4.55	4 9.50	23 20 45.3	2 4.2	68.89	15 46.02
	17.0	St	0 33.66	13.03	5 41 14.05	4 9.59	23 22 49.5	1 39.4	68.90	15 45.94
	18.0	Mo	0 46.69	13.09	5 45 23.64	4 9.64	23 24 28.9	1 14.5	68.91	15 45.87
	19.0	Di	0 59.78	13.11	5 49 33.28	4 9.68	23 25 43.4	0 49.8	68.92	15 45.80
	20.0	Mi	+1 12.89	13.12	5 53 42.96	4 9.68	+23 26 33.2	0 24.9	68.92	15 45.74
	21.0	Do	1 26.01	13.10	5 57 52.64	4 9.65	23 26 58.1	0 0.2	68.92	15 45.68
	22.0	Fr	1 39.11	13.05	6 2 2.29	4 9.61	23 26 58.3	0 24.7	68.92	15 45.63
	23.0	Sa	1 52.16	12.97	6 6 11.90	4 9.52	23 26 33.6	0 49.5	68.91	15 45.59
	24.0	St	2 5.13	12.86	6 10 21.42	4 9.43	23 25 44.1	1 14.2	68.90	15 45.55
	25.0	Mo	2 17.99	12.74	6 14 30.85	4 9.30	23 24 29.9	1 38.9	68.89	15 45.51
	26.0	Di	+2 30.73	12.59	6 18 40.15	4 9.14	+23 22 51.0	2 3.5	68.87	15 45.48
	27.0	Mi	2 43.32	12.41	6 22 49.29	4 8.97	23 20 47.5	2 28.1	68.85	15 45.45
	28.0	Do	2 55.73	12.21	6 26 58.26	4 8.77	23 18 19.4	2 52.6	68.83	15 45.43
	29.0	Fr	3 7.94	11.99	6 31 7.03	4 8.55	23 15 26.8	3 17.0	68.80	15 45.41
	30.0	Sa	3 19.93	11.75	6 35 15.58	4 8.30	23 12 9.8	3 41.4	68.77	15 45.40
Juli	1.0	St	3 31.68	11.49	6 39 23.88	4 8.05	23 8 28.4	4 5.5	68.74	15 45.39
	2.0	Mo	+3 43.17	11.20	6 43 31.93	4 7.76	+23 4 22.9	4 29.7	68.70	15 45.39
	3.0	Di	3 54.37	10.91	6 47 39.69	4 7.47	22 59 53.2	4 53.8	68.66	15 45.38
	4.0	Mi	4 5.28	10.60	6 51 47.16	4 7.16	22 54 59.4	5 17.7	68.62	15 45.38
	5.0	Do	4 15.88	10.28	6 55 54.32	4 6.83	22 49 41.7	5 41.5	68.58	15 45.39
	6.0	Fr	4 26.16	9.93	7 0 1.15	4 6.49	22 44 0.2	6 5.1	68.53	15 45.39
	7.0	Sa	4 36.09	9.58	7 4 7.64	4 6.14	22 37 55.1	6 28.8	68.48	15 45.40
	8.0	St	+4 45.67	9.22	7 8 13.78	4 5.77	+22 31 26.3	6 52.1	68.43	15 45.42
	9.0	Mo	4 54.89	8.83	7 12 19.55	4 5.39	22 24 34.2	7 15.4	68.37	15 45.43
	10.0	Di	5 3.72	8.43	7 16 24.94	4 4.98	22 17 18.8	7 38.6	68.31	15 45.45
	11.0	Mi	5 12.15	8.01	7 20 29.92	4 4.57	22 9 40.2	8 1.5	68.25	15 45.48
	12.0	Do	5 20.16	7.58	7 24 34.49	4 4.14	22 1 38.7	8 24.2	68.19	15 45.51
	13.0	Fr	5 27.74	7.13	7 28 38.63	4 3.69	21 53 14.5	8 46.8	68.13	15 45.54
	14.0	Sa	+5 34.87	6.66	7 32 42.32	4 3.22	+21 44 27.7	9 9.1	68.06	15 45.58
	15.0	St	5 41.53	6.18	7 36 45.54	4 2.74	21 35 18.6	9 31.3	67.99	15 45.62
	16.0	Mo	5 47.71	5.68	7 40 48.28	4 2.24	21 25 47.3	9 53.2	67.92	15 45.67
	17.0	Di	5 53.39	5.17	7 44 50.52	4 1.72	21 15 54.1	10 14.9	67.84	15 45.72
	18.0	Mi	5 58.56	4.63	7 48 52.24	4 1.19	21 5 39.2	10 36.3	67.77	15 45.79
	19.0	Do	6 3.19	4.09	7 52 53.43	4 0.64	20 55 2.9	10 57.5	67.69	15 45.85
	20.0	Fr	+6 7.28	3.53	7 56 54.07	4 0.09	+20 44 5.4	11 18.4	67.62	15 45.92
	21.0	Sa	6 10.81	2.97	8 0 54.16	3 59.52	20 32 47.0	11 39.2	67.54	15 46.00
	22.0	St	6 13.78	2.38	8 4 53.68	3 58.94	20 21 7.8	11 59.5	67.46	15 46.08
	23.0	Mo	6 16.16	1.79	8 8 52.62	3 58.35	20 9 8.3	12 19.8	67.38	15 46.17
	24.0	Di	6 17.95	1.20	8 12 50.97	3 57.76	19 56 48.5	12 39.6	67.29	15 46.26
	25.0	Mi	6 19.15		8 16 48.73		19 44 8.9		67.21	15 46.36

Mittlere Zeit Greenwich	Julian. Tag	Sternzeit	Mittleres Äquinoktium 1917.0 Länge		Breite	log R		Untergang in +50°	Aufgang Breite 0h Länge
	2421	h m s	° ′ ″	′ ″	″			h m	h m
Juni 14.0	394	5 28 50.72	82 49 26.55	57 18.44	+0.42	0.0068251	409	8 10	15 50
15.0	395	5 32 47.28	83 46 44.99	57 18.07	+0.38	0.0068660	386	8 11	15 50
16.0	396	5 36 43.83	84 44 3.06	57 17.68	+0.31	0.0069046	361	8 11	15 50
17.0	397	5 40 40.39	85 41 20.74	57 17.27	+0.21	0.0069407	336	8 12	15 50
18.0	398	5 44 36.95	86 38 38.01	57 16.83	+0.10	0.0069743	311	8 12	15 50
19.0	399	5 48 33.51	87 35 54.84	57 16.37	−0.02	0.0070054	284	8 12	15 50
20.0	400	5 52 30.07	88 33 11.21	57 15.87	−0.15	0.0070338	260	8 13	15 50
21.0	401	5 56 26.62	89 30 27.08	57 15.35	−0.28	0.0070598	234	8 13	15 50
22.0	402	6 0 23.18	90 27 42.43	57 14.83	−0.40	0.0070832	210	8 13	15 51
23.0	403	6 4 19.74	91 24 57.26	57 14.31	−0.53	0.0071042	186	8 13	15 51
24.0	404	6 8 16.30	92 22 11.57	57 13.80	−0.63	0.0071228	163	8 13	15 51
25.0	405	6 12 12.86	93 19 25.37	57 13.28	−0.70	0.0071391	140	8 13	15 52
26.0	406	6 16 9.41	94 16 38.65	57 12.78	−0.75	0.0071531	119	8 13	15 52
27.0	407	6 20 5.97	95 13 51.43	57 12.30	−0.78	0.0071650	98	8 13	15 52
28.0	408	6 24 2.53	96 11 3.73	57 11.86	−0.78	0.0071748	79	8 13	15 53
29.0	409	6 27 59.09	97 8 15.59	57 11.44	−0.76	0.0071827	60	8 13	15 54
30.0	410	6 31 55.64	98 5 27.03	57 11.07	−0.71	0.0071887	43	8 13	15 54
Juli 1.0	411	6 35 52.20	99 2 38.10	57 10.77	−0.62	0.0071930	26	8 13	15 55
2.0	412	6 39 48.76	99 59 48.87	57 10.56	−0.51	0.0071956	12	8 12	15 56
3.0	413	6 43 45.32	100 56 59.43	57 10.44	−0.38	0.0071968	−3	8 12	15 56
4.0	414	6 47 41.88	101 54 9.87	57 10.42	−0.25	0.0071965	16	8 12	15 57
5.0	415	6 51 38.43	102 51 20.29	57 10.52	−0.11	0.0071949	30	8 11	15 58
6.0	416	6 55 34.99	103 48 30.81	57 10.72	+0.03	0.0071919	45	8 11	15 59
7.0	417	6 59 31.55	104 45 41.53	57 11.02	+0.15	0.0071874	60	8 10	15 59
8.0	418	7 3 28.11	105 42 52.55	57 11.41	+0.25	0.0071814	75	8 10	16 0
9.0	419	7 7 24.66	106 40 3.96	57 11.87	+0.32	0.0071739	93	8 9	16 1
10.0	420	7 11 21.22	107 37 15.83	57 12.37	+0.36	0.0071646	112	8 8	16 2
11.0	421	7 15 17.78	108 34 28.20	57 12.90	+0.38	0.0071534	132	8 8	16 3
12.0	422	7 19 14.34	109 31 41.10	57 13.47	+0.35	0.0071402	154	8 7	16 4
13.0	423	7 23 10.89	110 28 54.57	57 14.04	+0.30	0.0071248	177	8 6	16 5
14.0	424	7 27 7.45	111 26 8.61	57 14.61	+0.21	0.0071071	200	8 5	16 6
15.0	425	7 31 4.01	112 23 23.22	57 15.16	+0.11	0.0070871	225	8 4	16 7
16.0	426	7 35 0.57	113 20 38.38	57 15.68	−0.02	0.0070646	250	8 3	16 9
17.0	427	7 38 57.12	114 17 54.06	57 16.19	−0.16	0.0070396	275	8 3	16 10
18.0	428	7 42 53.68	115 15 10.25	57 16.68	−0.29	0.0070121	301	8 2	16 11
19.0	429	7 46 50.24	116 12 26.93	57 17.15	−0.42	0.0069820	325	8 0	16 12
20.0	430	7 50 46.79	117 9 44.08	57 17.61	−0.54	0.0069495	351	7 59	16 13
21.0	431	7 54 43.35	118 7 1.69	57 18.06	−0.64	0.0069144	375	7 58	16 15
22.0	432	7 58 39.91	119 4 19.75	57 18.49	−0.71	0.0068769	399	7 57	16 16
23.0	433	8 2 36.46	120 1 38.24	57 18.92	−0.77	0.0068370	422	7 56	16 17
24.0	434	8 6 33.02	120 58 57.16	57 19.35	−0.82	0.0067948	444	7 55	16 18
25.0	435	8 10 29.58	121 56 16.51		−0.83	0.0067504		7 53	16 20

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
		m s	s	h m s	m s	° ' "	' "	s	' "
Juli 25.0	Mi	+6 19.15	0.59	8 16 48.73	3 57.15	+19 44 8.9	12 59.2	67.21	15 46.36
26.0	Do	6 19.74	0.02	8 20 45.88	3 56.53	19 31 9.7	13 18.5	67.13	15 46.46
27.0	Fr	6 19.72	0.64	8 24 42.41	3 55.92	19 17 51.2	13 37.7	67.04	15 46.56
28.0	Sa	6 19.08	1.25	8 28 38.33	3 55.30	19 4 13.5	13 56.4	66.96	15 46.67
29.0	St	6 17.83	1.88	8 32 33.63	3 54.68	18 50 17.1	14 14.9	66.87	15 46.79
30.0	Mo	6 15.95	2.50	8 36 28.31	3 54.06	18 36 2.2	14 33.2	66.79	15 46.90
31.0	Di	+6 13.45	3.11	8 40 22.37	3 53.44	+18 21 29.0	14 51.2	66.70	15 47.02
Aug. 1.0	Mi	6 10.34	3.73	8 44 15.81	3 52.83	18 6 37.8	15 8.9	66.61	15 47.15
2.0	Do	6 6.61	4.34	8 48 8.64	3 52.22	17 51 28.9	15 26.4	66.53	15 47.27
3.0	Fr	6 2.27	4.94	8 52 0.86	3 51.61	17 36 2.5	15 43.5	66.44	15 47.40
4.0	Sa	5 57.33	5.53	8 55 52.47	3 51.02	17 20 19.0	16 0.5	66.35	15 47.53
5.0	St	5 51.80	6.12	8 59 43.49	3 50.44	17 4 18.5	16 17.1	66.27	15 47.67
6.0	Mo	+5 45.68	6.70	9 3 33.93	3 49.85	+16 48 1.4	16 33.5	66.18	15 47.80
7.0	Di	5 38.98	7.28	9 7 23.78	3 49.28	16 31 27.9	16 49.6	66.09	15 47.94
8.0	Mi	5 31.70	7.84	9 11 13.06	3 48.72	16 14 38.3	17 5.4	66.01	15 48.09
9.0	Do	5 23.86	8.40	9 15 1.78	3 48.15	15 57 32.9	17 20.9	65.92	15 48.23
10.0	Fr	5 15.46	8.96	9 18 49.93	3 47.60	15 40 12.0	17 36.1	65.84	15 48.38
11.0	Sa	5 6.50	9.51	9 22 37.53	3 47.05	15 22 35.9	17 51.0	65.76	15 48.53
12.0	St	+4 56.99	10.05	9 26 24.58	3 46.50	+15 4 44.9	18 5.5	65.67	15 48.69
13.0	Mo	4 46.94	10.59	9 30 11.08	3 45.96	14 46 39.4	18 19.7	65.59	15 48.85
14.0	Di	4 36.35	11.13	9 33 57.04	3 45.43	14 28 19.7	18 33.6	65.51	15 49.02
15.0	Mi	4 25.22	11.65	9 37 42.47	3 44.90	14 9 46.1	18 47.2	65.43	15 49.19
16.0	Do	4 13.57	12.17	9 41 27.37	3 44.39	13 50 58.9	19 0.4	65.36	15 49.36
17.0	Fr	4 1.40	12.68	9 45 11.76	3 43.87	13 31 58.5	19 13.3	65.28	15 49.54
18.0	Sa	+3 48.72	13.19	9 48 55.63	3 43.36	+13 12 45.2	19 25.8	65.21	15 49.73
19.0	St	3 35.53	13.69	9 52 38.99	3 42.87	12 53 19.4	19 38.1	65.13	15 49.92
20.0	Mo	3 21.84	14.17	9 56 21.86	3 42.38	12 33 41.3	19 50.0	65.06	15 50.11
21.0	Di	3 7.67	14.65	10 0 4.24	3 41.91	12 13 51.3	20 1.5	64.99	15 50.31
22.0	Mi	2 53.02	15.12	10 3 46.15	3 41.44	11 53 49.8	20 12.8	64.93	15 50.51
23.0	Do	2 37.90	15.57	10 7 27.59	3 40.98	11 33 37.0	20 23.6	64.86	15 50.72
24.0	Fr	+2 22.33	16.01	10 11 8.57	3 40.54	+11 13 13.4	20 34.1	64.80	15 50.92
25.0	Sa	2 6.32	16.45	10 14 49.11	3 40.11	10 52 39.3	20 44.5	64.73	15 51.14
26.0	St	1 49.87	16.86	10 18 29.22	3 39.69	10 31 54.8	20 54.3	64.67	15 51.35
27.0	Mo	1 33.01	17.26	10 22 8.91	3 39.29	10 11 0.5	21 4.0	64.62	15 51.57
28.0	Di	1 15.75	17.64	10 25 48.20	3 38.91	9 49 56.5	21 13.2	64.56	15 51.79
29.0	Mi	0 58.11	18.01	10 29 27.11	3 38.55	9 28 43.3	21 22.2	64.51	15 52.02
30.0	Do	+0 40.10	18.36	10 33 5.66	3 38.20	+ 9 7 21.1	21 30.9	64.46	15 52.24
31.0	Fr	0 21.74	18.68	10 36 43.86	3 37.87	8 45 50.2	21 39.4	64.41	15 52.47
Sept. 1.0	Sa	+0 3.06	18.98	10 40 21.73	3 37.57	8 24 10.8	21 47.5	64.36	15 52.69
2.0	St	−0 15.92	19.27	10 43 59.30	3 37.29	8 2 23.3	21 55.3	64.32	15 52.92
3.0	Mo	0 35.19	19.52	10 47 36.59	3 37.03	7 40 28.0	22 2.8	64.28	15 53.15
4.0	Di	0 54.71		10 51 13.62		7 18 25.2		64.24	15 53.38

Mittlere Zeit Greenwich		Julian. Tag	Sternzeit	Mittleres Äquinoktium 1917.0 Länge		Breite	log R		Untergang in +50° Breite	Aufgang 0h Länge
		2421	h m s	° ′ ″	′ ″	°			h m	h m
Juli	25.0	435	8 10 29.58	121 56 16.51	57 19.77	−0.83	0.0067504	465	7 53	16 20
	26.0	436	8 14 26.13	122 53 36.28	57 20.21	−0.82	0.0067039	485	7 52	16 21
	27.0	437	8 18 22.69	123 50 56.49	57 20.67	−0.76	0.0066554	505	7 51	16 22
	28.0	438	8 22 19.25	124 48 17.16	57 21.17	−0.68	0.0066049	522	7 49	16 24
	29.0	439	8 26 15.80	125 45 38.33	57 21.71	−0.57	0.0065527	538	7 48	16 25
	30.0	440	8 30 12.36	126 43 0.04	57 22.30	−0.45	0.0064989	553	7 46	16 27
	31.0	441	8 34 8.92	127 40 22.34	57 22.96	−0.32	0.0064436	566	7 45	16 28
Aug.	1.0	442	8 38 5.47	128 37 45.30	57 23.71	−0.18	0.0063870	578	7 43	16 29
	2.0	443	8 42 2.03	129 35 9.01	57 24.58	−0.04	0.0063292	590	7 42	16 31
	3.0	444	8 45 58.58	130 32 33.59	57 25.56	+0.07	0.0062702	601	7 40	16 32
	4.0	445	8 49 55.14	131 29 59.15	57 26.63	+0.17	0.0062101	613	7 39	16 34
	5.0	446	8 53 51.70	132 27 25.78	57 27.81	+0.26	0.0061488	624	7 37	16 35
	6.0	447	8 57 48.25	133 24 53.59	57 29.08	+0.31	0.0060864	637	7 35	16 37
	7.0	448	9 1 44.81	134 22 22.67	57 30.42	+0.33	0.0060227	652	7 34	16 38
	8.0	449	9 5 41.36	135 19 53.09	57 31.81	+0.31	0.0059575	667	7 32	16 40
	9.0	450	9 9 37.92	136 17 24.90	57 33.23	+0.27	0.0058908	684	7 30	16 41
	10.0	451	9 13 34.47	137 14 58.13	57 34.67	+0.19	0.0058224	701	7 29	16 42
	11.0	452	9 17 31.03	138 12 32.80	57 36.11	+0.09	0.0057523	721	7 27	16 44
	12.0	453	9 21 27.58	139 10 8.91	57 37.54	−0.02	0.0056802	740	7 25	16 45
	13.0	454	9 25 24.14	140 7 46.45	57 38.96	−0.15	0.0056062	760	7 23	16 47
	14.0	455	9 29 20.69	141 5 25.41	57 40.37	−0.27	0.0055302	780	7 21	16 48
	15.0	456	9 33 17.25	142 3 5.78	57 41.76	−0.39	0.0054522	802	7 20	16 50
	16.0	457	9 37 13.80	143 0 47.54	57 43.12	−0.50	0.0053720	823	7 18	16 51
	17.0	458	9 41 10.36	143 58 30.66	57 44.45	−0.61	0.0052897	843	7 16	16 53
	18.0	459	9 45 6.91	144 56 15.11	57 45.77	−0.69	0.0052054	864	7 14	16 54
	19.0	460	9 49 3.47	145 54 0.88	57 47.07	−0.76	0.0051190	883	7 12	16 56
	20.0	461	9 53 0.02	146 51 47.95	57 48.36	−0.80	0.0050307	903	7 10	16 57
	21.0	462	9 56 56.58	147 49 36.31	57 49.62	−0.80	0.0049404	922	7 8	16 59
	22.0	463	10 0 53.13	148 47 25.93	57 50.86	−0.79	0.0048482	939	7 6	17 0
	23.0	464	10 4 49.68	149 45 16.79	57 52.09	−0.74	0.0047543	957	7 4	17 2
	24.0	465	10 8 46.24	150 43 8.88	57 53.33	−0.68	0.0046586	971	7 2	17 3
	25.0	466	10 12 42.79	151 41 2.21	57 54.56	−0.58	0.0045615	986	7 0	17 5
	26.0	467	10 16 39.35	152 38 56.77	57 55.80	−0.46	0.0044629	998	6 58	17 6
	27.0	468	10 20 35.90	153 36 52.57	57 57.07	−0.33	0.0043631	1009	6 56	17 8
	28.0	469	10 24 32.45	154 34 49.64	57 58.40	−0.20	0.0042622	1018	6 54	17 9
	29.0	470	10 28 29.01	155 32 48.04	57 59.79	−0.06	0.0041604	1025	6 52	17 11
	30.0	471	10 32 25.56	156 30 47.83	58 1.26	+0.07	0.0040579	1032	6 50	17 12
	31.0	472	10 36 22.12	157 28 49.09	58 2.83	+0.18	0.0039547	1038	6 47	17 14
Sept.	1.0	473	10 40 18.67	158 26 51.92	58 4.50	+0.26	0.0038509	1042	6 45	17 15
	2.0	474	10 44 15.22	159 24 56.42	58 6.27	+0.32	0.0037467	1046	6 43	17 17
	3.0	475	10 48 11.78	160 23 2.69	58 8.13	+0.34	0.0036421	1052	6 41	17 18
	4.0	476	10 52 8.33	161 21 10.82		+0.35	0.0035369		6 39	17 20

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
		m s	s	h m s	m s	° ′ ″	′ ″	s	′ ″
Sept. 4.0	Di	— 0 54.71	19.76	10 51 13.62	3 36.79	+7 18 25.2	22 10.1	64.24	15 53.38
5.0	Mi	1 14.47	19.98	10 54 50.41	3 36.57	6 56 15.1	22 17.0	64.21	15 53.62
6.0	Do	1 34.45	20.18	10 58 26.98	3 36.38	6 33 58.1	22 23.7	64.17	15 53.85
7.0	Fr	1 54.63	20.35	11 2 3.36	3 36.20	6 11 34.4	22 29.9	64.14	15 54.09
8.0	Sa	2 14.98	20.52	11 5 39.56	3 36.04	5 49 4.5	22 35.8	64.11	15 54.32
9.0	St	2 35.50	20.66	11 9 15.60	3 35.89	5 26 28.7	22 41.5	64.09	15 54.56
10.0	Mo	— 2 56.16	20.78	11 12 51.49	3 35.77	+5 3 47.2	22 46.8	64.06	15 54.81
11.0	Di	3 16.94	20.89	11 16 27.26	3 35.66	4 41 0.4	22 51.7	64.04	15 55.05
12.0	Mi	3 37.83	20.99	11 20 2.92	3 35.57	4 18 8.7	22 56.2	64.03	15 55.30
13.0	Do	3 58.82	21.05	11 23 38.49	3 35.50	3 55 12.5	23 0.5	64.01	15 55.55
14.0	Fr	4 19.87	21.12	11 27 13.99	3 35.44	3 32 12.0	23 4.3	64.00	15 55.80
15.0	Sa	4 40.99	21.15	11 30 49.43	3 35.40	3 9 7.7	23 7.9	63.99	15 56.06
16.0	St	— 5 2.14	21.18	11 34 24.83	3 35.37	+2 45 59.8	23 11.1	63.99	15 56.31
17.0	Mo	5 23.32	21.18	11 38 0.20	3 35.37	2 22 48.7	23 13.9	63.99	15 56.58
18.0	Di	5 44.50	21.17	11 41 35.57	3 35.39	1 59 34.8	23 16.3	63.99	15 56.84
19.0	Mi	6 5.67	21.13	11 45 10.96	3 35.41	1 36 18.5	23 18.5	63.99	15 57.11
20.0	Do	6 26.80	21.10	11 48 46.37	3 35.46	1 13 0.0	23 20.2	64.00	15 57.38
21.0	Fr	6 47.90	21.03	11 52 21.83	3 35.52	0 49 39.8	23 21.5	64.01	15 57.65
22.0	Sa	— 7 8.93	20.95	11 55 57.35	3 35.61	+0 26 18.3	23 22.7	64.02	15 57.92
23.0	St	7 29.88	20.84	11 59 32.96	3 35.71	+0 2 55.6	23 23.4	64.04	15 58.20
24.0	Mo	7 50.72	20.73	12 3 8.67	3 35.83	—0 20 27.8	23 23.7	64.06	15 58.48
25.0	Di	8 11.45	20.58	12 6 44.50	3 35.97	0 43 51.5	23 23.8	64.08	15 58.75
26.0	Mi	8 32.03	20.42	12 10 20.47	3 36.13	1 7 15.3	23 23.4	64.11	15 59.03
27.0	Do	8 52.45	20.24	12 13 56.60	3 36.31	1 30 38.7	23 22.9	64.14	15 59.31
28.0	Fr	— 9 12.69	20.02	12 17 32.91	3 36.53	—1 54 1.6	23 21.9	64.17	15 59.59
29.0	Sa	9 32.71	19.79	12 21 9.44	3 36.76	2 17 23.5	23 20.6	64.20	15 59.86
30.0	St	9 52.50	19.54	12 24 46.20	3 37.02	2 40 44.1	23 19.1	64.24	16 0.14
Okt. 1.0	Mo	10 12.04	19.24	12 28 23.22	3 37.31	3 4 3.2	23 17.2	64.28	16 0.42
2.0	Di	10 31.28	18.94	12 32 0.53	3 37.61	3 27 20.4	23 14.9	64.32	16 0.69
3.0	Mi	10 50.22	18.60	12 35 38.14	3 37.95	3 50 35.3	23 12.4	64.37	16 0.97
4.0	Do	—11 8.82	18.25	12 39 16.09	3 38.31	—4 13 47.7	23 9.5	64.42	16 1.24
5.0	Fr	11 27.07	17.87	12 42 54.40	3 38.69	4 36 57.2	23 6.3	64.47	16 1.51
6.0	Sa	11 44.94	17.46	12 46 33.09	3 39.08	5 0 3.5	23 2.6	64.53	16 1.78
7.0	St	12 2.40	17.05	12 50 12.17	3 39.51	5 23 6.1	22 58.6	64.59	16 2.05
8.0	Mo	12 19.45	16.61	12 53 51.68	3 39.95	5 46 4.7	22 54.2	64.65	16 2.32
9.0	Di	12 36.06	16.14	12 57 31.63	3 40.40	6 8 58.9	22 49.4	64.71	16 2.60
10.0	Mi	—12 52.20	15.67	13 1 12.03	3 40.88	—6 31 48.3	22 44.4	64.78	16 2.87
11.0	Do	13 7.87	15.18	13 4 52.91	3 41.38	6 54 32.7	22 38.8	64.85	16 3.14
12.0	Fr	13 23.05	14.67	13 8 34.29	3 41.89	7 17 11.5	22 32.8	64.92	16 3.41
13.0	Sa	13 37.72	14.14	13 12 16.18	3 42.41	7 39 44.3	22 26.6	64.99	16 3.68
14.0	St	13 51.86	13.60	13 15 58.59	3 42.95	8 2 10.9	22 19.8	65.07	16 3.96
15.0	Mo	14 5.46		13 19 41.54		8 24 30.7		65.15	16 4.23

Mittlere Zeit Greenwich	Julian. Tag	Sternzeit	Mittleres Äquinoktium 1917.0 Länge	Diff.	Mittleres Äquinoktium 1917.0 Breite	log *R*	Diff.	Untergang in +50° Breite 0h Länge	Aufgang in +50° Breite 0h Länge
	2421	h m s	° ′ ″	′ ″	″			h m	h m
Sept. 4.0	476	10 52 8.33	161 21 10.82	58 10.06	+0.35	0.0035369	1058	6 39	17 20
5.0	477	10 56 4.88	162 19 20.88	58 12.06	+0.31	0.0034311	1064	6 37	17 21
6.0	478	11 0 1.44	163 17 32.94	58 14.10	+0.24	0.0033247	1072	6 35	17 23
7.0	479	11 3 57.99	164 15 47.04	58 16.17	+0.14	0.0032175	1082	6 33	17 24
8.0	480	11 7 54.54	165 14 3.21	58 18.26	+0.04	0.0031093	1091	6 30	17 26
9.0	481	11 11 51.09	166 12 21.47	58 20.34	−0.07	0.0030002	1102	6 28	17 27
10.0	482	11 15 47.65	167 10 41.81	58 22.41	−0.20	0.0028900	1113	6 26	17 29
11.0	483	11 19 44.20	168 9 4.22	58 24.47	−0.32	0.0027787	1125	6 24	17 30
12.0	484	11 23 40.75	169 7 28.69	58 26.50	−0.44	0.0026662	1138	6 22	17 32
13.0	485	11 27 37.31	170 5 55.19	58 28.50	−0.53	0.0025524	1150	6 19	17 33
14.0	486	11 31 33.86	171 4 23.69	58 30.47	−0.62	0.0024374	1163	6 17	17 35
15.0	487	11 35 30.41	172 2 54.16	58 32.41	−0.67	0.0023211	1176	6 15	17 36
16.0	488	11 39 26.97	173 1 26.57	58 34.32	−0.71	0.0022035	1188	6 13	17 38
17.0	489	11 43 23.52	174 0 0.89	58 36.20	−0.73	0.0020847	1200	6 11	17 39
18.0	490	11 47 20.07	174 58 37.09	58 38.04	−0.73	0.0019647	1212	6 8	17 41
19.0	491	11 51 16.62	175 57 15.13	58 39.84	−0.69	0.0018435	1222	6 6	17 42
20.0	492	11 55 13.18	176 55 54.97	58 41.60	−0.61	0.0017213	1231	6 4	17 44
21.0	493	11 59 9.73	177 54 36.57	58 43.33	−0.52	0.0015982	1241	6 2	17 45
22.0	494	12 3 6.28	178 53 19.90	58 45.03	−0.41	0.0014741	1247	6 0	17 47
23.0	495	12 7 2.84	179 52 4.93	58 46.73	−0.29	0.0013494	1253	5 57	17 48
24.0	496	12 10 59.39	180 50 51.66	58 48.42	−0.14	0.0012241	1257	5 55	17 50
25.0	497	12 14 55.94	181 49 40.08	58 50.12	0.00	0.0010984	1260	5 53	17 51
26.0	498	12 18 52.50	182 48 30.20	58 51.85	+0.12	0.0009724	1259	5 51	17 53
27.0	499	12 22 49.05	183 47 22.05	58 53.62	+0.24	0.0008465	1259	5 49	17 54
28.0	500	12 26 45.60	184 46 15.67	58 55.46	+0.32	0.0007206	1255	5 46	17 56
29.0	501	12 30 42.15	185 45 11.13	58 57.37	+0.38	0.0005951	1251	5 44	17 57
30.0	502	12 34 38.71	186 44 8.50	58 59.37	+0.42	0.0004700	1247	5 42	17 59
Okt. 1.0	503	12 38 35.26	187 43 7.87	59 1.46	+0.41	0.0003453	1242	5 40	18 0
2.0	504	12 42 31.81	188 42 9.33	59 3.61	+0.39	0.0002211	1237	5 38	18 2
3.0	505	12 46 28.36	189 41 12.94	59 5.84	+0.32	0.0000974	1233	5 35	18 4
4.0	506	12 50 24.92	190 40 18.78	59 8.13	+0.23	9.9999741	1229	5 33	18 5
5.0	507	12 54 21.47	191 39 26.91	59 10.45	+0.12	9.9998512	1227	5 31	18 7
6.0	508	12 58 18.02	192 38 37.36	59 12.77	+0.01	9.9997285	1225	5 29	18 8
7.0	509	13 2 14.58	193 37 50.13	59 15.09	−0.11	9.9996060	1224	5 27	18 10
8.0	510	13 6 11.13	194 37 5.22	59 17.41	−0.22	9.9994836	1224	5 25	18 11
9.0	511	13 10 7.68	195 36 22.63	59 19.72	−0.34	9.9993612	1224	5 23	18 13
10.0	512	13 14 4.24	196 35 42.35	59 22.00	−0.44	9.9992388	1225	5 21	18 14
11.0	513	13 18 0.79	197 35 4.35	59 24.24	−0.52	9.9991163	1227	5 18	18 16
12.0	514	13 21 57.34	198 34 28.59	59 26.45	−0.59	9.9989936	1229	5 16	18 18
13.0	515	13 25 53.90	199 33 55.04	59 28.62	−0.63	9.9988707	1231	5 14	18 19
14.0	516	13 29 50.45	200 33 23.66	59 30.75	−0.64	9.9987476	1233	5 12	18 21
15.0	517	13 33 47.00	201 32 54.41		−0.62	9.9986243		5 10	18 22

	Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
Okt.	15.0	Mo	—14ᵐ 5.46ˢ	13.04ˢ	13ʰ 19ᵐ 41.54ˢ	3ᵐ 43.52ˢ	— 8° 24′ 30.7″	22′ 12.8″	65.15ˢ	16′ 4.23″
	16.0	Di	14 18.50	12.46	13 23 25.06	3 44.09	8 46 43.5	22 5.2	65.23	16 4.50
	17.0	Mi	14 30.96	11.89	13 27 9.15	3 44.67	9 8 48.7	21 57.3	65.32	16 4.78
	18.0	Do	14 42.85	11.28	13 30 53.82	3 45.27	9 30 46.0	21 48.9	65.40	16 5.05
	19.0	Fr	14 54.13	10.67	13 34 39.09	3 45.88	9 52 34.9	21 40.2	65.49	16 5.33
	20.0	Sa	15 4.80	10.04	13 38 24.97	3 46.51	10 14 15.1	21 31.2	65.58	16 5.60
	21.0	St	—15 14.84	9.41	13 42 11.48	3 47.15	—10 35 46.3	21 21.6	65.68	16 5.88
	22.0	Mo	15 24.25	8.76	13 45 58.63	3 47.80	10 57 7.9	21 11.6	65.78	16 6.15
	23.0	Di	15 33.01	8.08	13 49 46.43	3 48.46	11 18 19.5	21 1.3	65.88	16 6.43
	24.0	Mi	15 41.09	7.41	13 53 34.89	3 49.15	11 39 20.8	20 50.7	65.98	16 6.70
	25.0	Do	15 48.50	6.72	13 57 24.04	3 49.84	12 0 11.5	20 39.6	66.08	16 6.97
	26.0	Fr	15 55.22	6.00	14 1 13.88	3 50.55	12 20 51.1	20 28.1	66.19	16 7.24
	27.0	Sa	—16 1.22	5.27	14 5 4.43	3 51.28	—12 41 19.2	20 16.2	66.29	16 7.50
	28.0	St	16 6.49	4.54	14 8 55.71	3 52.02	13 1 35.4	20 4.1	66.40	16 7.77
	29.0	Mo	16 11.03	3.77	14 12 47.73	3 52.78	13 21 39.5	19 51.4	66.51	16 8.03
	30.0	Di	16 14.80	3.00	14 16 40.51	3 53.56	13 41 30.9	19 38.4	66.62	16 8.28
	31.0	Mi	16 17.80	2.20	14 20 34.07	3 54.35	14 1 9.3	19 25.1	66.73	16 8.54
Nov.	1.0	Do	16 20.00	1.40	14 24 28.42	3 55.15	14 20 34.4	19 11.3	66.84	16 8.79
	2.0	Fr	—16 21.40	0.59	14 28 23.57	3 55.97	—14 39 45.7	18 57.2	66.96	16 9.03
	3.0	Sa	16 21.99	0.24	14 32 19.54	3 56.80	14 58 42.9	18 42.5	67.07	16 9.27
	4.0	St	16 21.75	1.09	14 36 16.34	3 57.64	15 17 25.4	18 27.6	67.19	16 9.51
	5.0	Mo	16 20.66	1.93	14 40 13.98	3 58.49	15 35 53.0	18 12.2	67.31	16 9.75
	6.0	Di	16 18.73	2.78	14 44 12.47	3 59.33	15 54 5.2	17 56.4	67.43	16 9.98
	7.0	Mi	16 15.95	3.63	14 48 11.80	4 0.19	16 12 1.6	17 40.2	67.54	16 10.22
	8.0	Do	—16 12.32	4.50	14 52 11.99	4 1.05	—16 29 41.8	17 23.5	67.66	16 10.45
	9.0	Fr	16 7.82	5.36	14 56 13.04	4 1.92	16 47 5.3	17 6.4	67.78	16 10.67
	10.0	Sa	16 2.46	6.21	15 0 14.96	4 2.77	17 4 11.7	16 49.0	67.90	16 10.90
	11.0	St	15 56.25	7.08	15 4 17.73	4 3.64	17 21 0.7	16 31.1	68.02	16 11.12
	12.0	Mo	15 49.17	7.94	15 8 21.37	4 4.49	17 37 31.8	16 12.9	68.14	16 11.34
	13.0	Di	15 41.23	8.80	15 12 25.86	4 5.35	17 53 44.7	15 54.1	68.26	16 11.56
	14.0	Mi	—15 32.43	9.64	15 16 31.21	4 6.20	—18 9 38.8	15 35.0	68.38	16 11.78
	15.0	Do	15 22.79	10.49	15 20 37.41	4 7.05	18 25 13.8	15 15.5	68.49	16 11.99
	16.0	Fr	15 12.30	11.32	15 24 44.46	4 7.88	18 40 29.3	14 55.6	68.61	16 12.21
	17.0	Sa	15 0.98	12.15	15 28 52.34	4 8.70	18 55 24.9	14 35.3	68.73	16 12.42
	18.0	St	14 48.83	12.96	15 33 1.04	4 9.52	19 10 0.2	14 14.7	68.85	16 12.63
	19.0	Mo	14 35.87	13.77	15 37 10.56	4 10.32	19 24 14.9	13 53.6	68.96	16 12.84
	20.0	Di	—14 22.10	14.56	15 41 20.88	4 11.12	—19 38 8.5	13 32.1	69.07	16 13.04
	21.0	Mi	14 7.54	15.35	15 45 32.00	4 11.90	19 51 40.6	13 10.4	69.19	16 13.24
	22.0	Do	13 52.19	16.11	15 49 43.90	4 12.68	20 4 51.0	12 48.3	69.30	16 13.44
	23.0	Fr	13 36.08	16.88	15 53 56.58	4 13.44	20 17 39.3	12 25.7	69.41	16 13.64
	24.0	Sa	13 19.20	17.64	15 58 10.02	4 14.19	20 30 5.0	12 3.0	69.52	16 13.82
	25.0	St	13 1.56		16 2 24.21		20 42 8.0		69.62	16 14.01

Mittlere Zeit Greenwich		Julian. Tag	Sternzeit	Mittleres Äquinoktium 1917.0 Länge	Diff.	Breite	log *R*	Diff.	Untergang in +50° Breite 0h Länge	Aufgang in +50° Breite 0h Länge
		2421	h m s	° ′ ″	′ ″	″			h m	h m
Okt.	15.0	517	13 33 47.00	201 32 54.41	59 32.83	−0.62	9.9986243	1235	5 10	18 22
	16.0	518	13 37 43.56	202 32 27.24	59 34.84	−0.58	9.9985008	1236	5 8	18 24
	17.0	519	13 41 40.11	203 32 2.08	59 36.78	−0.52	9.9983772	1238	5 6	18 26
	18.0	520	13 45 36.66	204 31 38.86	59 38.67	−0.43	9.9982534	1239	5 4	18 27
	19.0	521	13 49 33.22	205 31 17.53	59 40.50	−0.31	9.9981295	1238	5 2	18 29
	20.0	522	13 53 29.77	206 30 58.03	59 42.27	−0.18	9.9980057	1237	5 0	18 30
	21.0	523	13 57 26.32	207 30 40.30	59 43.99	−0.04	9.9978820	1233	4 58	18 32
	22.0	524	14 1 22.88	208 30 24.29	59 45.68	+0.08	9.9977587	1230	4 56	18 34
	23.0	525	14 5 19.43	209 30 9.97	59 47.36	+0.22	9.9976357	1222	4 54	18 35
	24.0	526	14 9 15.99	210 29 57.33	59 49.02	+0.34	9.9975135	1215	4 52	18 37
	25.0	527	14 13 12.54	211 29 46.35	59 50.68	+0.43	9.9973920	1204	4 51	18 39
	26.0	528	14 17 9.10	212 29 37.03	59 52.37	+0.50	9.9972716	1193	4 49	18 40
	27.0	529	14 21 5.65	213 29 29.40	59 54.11	+0.53	9.9971523	1180	4 47	18 42
	28.0	530	14 25 2.20	214 29 23.51	59 55.91	+0.54	9.9970343	1165	4 45	18 44
	29.0	531	14 28 58.76	215 29 19.42	59 57.76	+0.52	9.9969178	1150	4 43	18 45
	30.0	532	14 32 55.31	216 29 17.18	59 59.65	+0.45	9.9968028	1135	4 41	18 47
	31.0	533	14 36 51.87	217 29 16.83	60 1.61	+0.36	9.9966893	1118	4 40	18 49
Nov.	1.0	534	14 40 48.42	218 29 18.44	60 3.62	+0.25	9.9965775	1104	4 38	18 50
	2.0	535	14 44 44.98	219 29 22.06	60 5.67	+0.13	9.9964671	1089	4 36	18 52
	3.0	536	14 48 41.53	220 29 27.73	60 7.74	+0.01	9.9963582	1074	4 35	18 54
	4.0	537	14 52 38.09	221 29 35.47	60 9.82	−0.11	9.9962508	1062	4 33	18 55
	5.0	538	14 56 34.64	222 29 45.29	60 11.89	−0.23	9.9961446	1049	4 31	18 57
	6.0	539	15 0 31.20	223 29 57.18	60 13.95	−0.34	9.9960397	1038	4 30	18 59
	7.0	540	15 4 27.75	224 30 11.13	60 15.98	−0.42	9.9959359	1026	4 28	19 0
	8.0	541	15 8 24.31	225 30 27.11	60 17.96	−0.49	9.9958333	1017	4 27	19 2
	9.0	542	15 12 20.87	226 30 45.07	60 19.90	−0.52	9.9957316	1006	4 25	19 4
	10.0	543	15 16 17.42	227 31 4.97	60 21.81	−0.54	9.9956310	997	4 24	19 5
	11.0	544	15 20 13.98	228 31 26.78	60 23.66	−0.52	9.9955313	988	4 22	19 7
	12.0	545	15 24 10.53	229 31 50.44	60 25.45	−0.48	9.9954325	980	4 21	19 9
	13.0	546	15 28 7.09	230 32 15.89	60 27.16	−0.42	9.9953345	972	4 19	19 10
	14.0	547	15 32 3.65	231 32 43.05	60 28.80	−0.33	9.9952373	963	4 18	19 12
	15.0	548	15 36 0.20	232 33 11.85	60 30.35	−0.21	9.9951410	955	4 17	19 14
	16.0	549	15 39 56.76	233 33 42.20	60 31.81	−0.09	9.9950455	945	4 16	19 15
	17.0	550	15 43 53.31	234 34 14.01	60 33.19	+0.05	9.9949510	936	4 14	19 17
	18.0	551	15 47 49.87	235 34 47.20	60 34.50	+0.19	9.9948574	925	4 13	19 18
	19.0	552	15 51 46.43	236 35 21.70	60 35.73	+0.33	9.9947649	913	4 12	19 20
	20.0	553	15 55 42.98	237 35 57.43	60 36.91	+0.45	9.9946736	899	4 11	19 21
	21.0	554	15 59 39.54	238 36 34.34	60 38.04	+0.55	9.9945837	882	4 10	19 23
	22.0	555	16 3 36.10	239 37 12.38	60 39.14	+0.62	9.9944955	866	4 9	19 25
	23.0	556	16 7 32.65	240 37 51.52	60 40.24	+0.67	9.9944089	846	4 8	19 26
	24.0	557	16 11 29.21	241 38 31.76	60 41.33	+0.68	9.9943243	826	4 7	19 28
	25.0	558	16 15 25.77	242 39 13.09		+0.66	9.9942417		4 6	19 29

Mittlere Zeit Greenwich	Wochentag	Zeitgleichung Mittlere Zeit *minus* Wahre Zeit		Scheinbare Rektaszension		Scheinbare Deklination		Halbe Durchgangs-Dauer St.-Zt.	Halbmesser
		m s	s	h m s	m s	° ' "	' "	s	' "
Nov. 25.0	St	—13 1.56	18.37	16 2 24.21	4 14.93	—20 42 8.0	11 39.9	69.62	16 14.01
26.0	Mo	12 43.19	19.10	16 6 39.14	4 15.66	20 53 47.9	11 16.4	69.72	16 14.19
27.0	Di	12 24.09	19.83	16 10 54.80	4 16.38	21 5 4.3	10 52.7	69.82	16 14.37
28.0	Mi	12 4.26	20.53	16 15 11.18	4 17.08	21 15 57.0	10 28.6	69.92	16 14.54
29.0	Do	11 43.73	21.22	16 19 28.26	4 17.78	21 26 25.6	10 4.2	70.02	16 14.70
30.0	Fr	11 22.51	21.90	16 23 46.04	4 18.46	21 36 29.8	9 39.6	70.11	16 14.86
Dez. 1.0	Sa	—11 0.61	22.56	16 28 4.50	4 19.12	—21 46 9.4	9 14.6	70.20	16 15.01
2.0	St	10 38.05	23.20	16 32 23.62	4 19.76	21 55 24.0	8 49.3	70.29	16 15.16
3.0	Mo	10 14.85	23.83	16 36 43.38	4 20.38	22 4 13.3	8 23.8	70.37	16 15.30
4.0	Di	9 51.02	24.42	16 41 3.76	4 20.99	22 12 37.1	7 58.0	70.45	16 15.44
5.0	Mi	9 26.60	25.01	16 45 24.75	4 21.56	22 20 35.1	7 32.0	70.53	16 15.57
6.0	Do	9 1.59	25.55	16 49 46.31	4 22.11	22 28 7.1	7 5.7	70.61	16 15.70
7.0	Fr	— 8 36.04	26.08	16 54 8.42	4 22.63	—22 35 12.8	6 39.2	70.67	16 15.82
8.0	Sa	8 9.96	26.57	16 58 31.05	4 23.13	22 41 52.0	6 12.4	70.74	16 15.94
9.0	St	7 43.39	27.04	17 2 54.18	4 23.60	22 48 4.4	5 45.5	70.80	16 16.06
10.0	Mo	7 16.35	27.48	17 7 17.78	4 24.04	22 53 49.9	5 18.4	70.86	16 16.17
11.0	Di	6 48.87	27.87	17 11 41.82	4 24.43	22 59 8.3	4 51.0	70.92	16 16.28
12.0	Mi	6 21.00	28.25	17 16 6.25	4 24.80	23 3 59.3	4 23.6	70.97	16 16.38
13.0	Do	— 5 52.75	28.57	17 20 31.05	4 25.14	—23 8 22.9	3 55.9	71.01	16 16.49
14.0	Fr	5 24.18	28.88	17 24 56.19	4 25.43	23 12 18.8	3 28.2	71.05	16 16.58
15.0	Sa	4 55.30	29.13	17 29 21.62	4 25.69	23 15 47.0	3 0.3	71.09	16 16.68
16.0	St	4 26.17	29.35	17 33 47.31	4 25.91	23 18 47.3	2 32.3	71.13	16 16.77
17.0	Mo	3 56.82	29.54	17 38 13.22	4 26.10	23 21 19.6	2 4.2	71.16	16 16.85
18.0	Di	3 27.28	29.68	17 42 39.32	4 26.24	23 23 23.8	1 36.1	71.18	16 16.94
19.0	Mi	— 2 57.60	29.79	17 47 5.56	4 26.35	—23 24 59.9	1 8.0	71.20	16 17.02
20.0	Do	2 27.81	29.87	17 51 31.91	4 26.42	23 26 7.9	0 39.7	71.22	16 17.09
21.0	Fr	1 57.94	29.90	17 55 58.33	4 26.46	23 26 47.6	0 11.5	71.23	16 17.16
22.0	Sa	1 28.04	29.91	18 0 24.79	4 26.47	23 26 59.1	0 16.7	71.23	16 17.23
23.0	St	0 58.13	29.89	18 4 51.26	4 26.44	23 26 42.4	0 45.0	71.23	16 17.29
24.0	Mo	— 0 28.24	29.82	18 9 17.70	4 26.39	23 25 57.4	1 13.2	71.23	16 17.34
25.0	Di	+ 0 1.58	29.74	18 13 44.09	4 26.29	—23 24 44.2	1 41.4	71.22	16 17.39
26.0	Mi	0 31.32	29.62	18 18 10.38	4 26.18	23 23 2.8	2 9.5	71.21	16 17.43
27.0	Do	1 0.94	29.47	18 22 36.56	4 26.03	23 20 53.3	2 37.7	71.19	16 17.47
28.0	Fr	1 30.41	29.30	18 27 2.59	4 25.86	23 18 15.6	3 5.7	71.17	16 17.50
29.0	Sa	1 59.71	29.09	18 31 28.45	4 25.65	23 15 9.9	3 33.7	71.15	16 17.52
30.0	St	2 28.80	28.86	18 35 54.10	4 25.41	23 11 36.2	4 1.5	71.12	16 17.54
31.0	Mo	+ 2 57.66	28.59	18 40 19.51	4 25.15	—23 7 34.7	4 29.3	71.08	16 17.55
32.0	Di	3 26.25		18 44 44.66		23 3 5.4		71.04	16 17.55

Mittlere Zeit Greenwich	Julian. Tag	Sternzeit	Mittleres Äquinoktium 1917.0 Länge		Breite	log R		Untergang in +50° 0h Länge	Aufgang Breite
	2421	h m s	° ′ ″	′ ″	″			h m	h m
Nov. 25.0	558	16 15 25.77	242 39 13.09	60 42.44	+0.66	9.9942417	804	4 6	19 29
26.0	559	16 19 22.33	243 39 55.53	60 43.58	+0.61	9.9941613	781	4 5	19 30
27.0	560	16 23 18.88	244 40 39.11	60 44.76	+0.52	9.9940832	756	4 4	19 32
28.0	561	16 27 15.44	245 41 23.87	60 45.98	+0.43	9.9940076	732	4 4	19 33
29.0	562	16 31 12.00	246 42 9.85	60 47.24	+0.31	9.9939344	708	4 3	19 35
30.0	563	16 35 8.55	247 42 57.09	60 48.54	+0.18	9.9938636	683	4 2	19 36
Dez. 1.0	564	16 39 5.11	248 43 45.63	60 49.85	+0.06	9.9937953	659	4 2	19 37
2.0	565	16 43 1.67	249 44 35.48	60 51.18	−0.07	9.9937294	636	4 1	19 39
3.0	566	16 46 58.23	250 45 26.66	60 52.50	−0.18	9.9936658	614	4 1	19 40
4.0	567	16 50 54.79	251 46 19.16	60 53.80	−0.28	9.9936044	593	4 0	19 41
5.0	568	16 54 51.34	252 47 12.96	60 55.09	−0.35	9.9935451	571	4 0	19 42
6.0	569	16 58 47.90	253 48 8.05	60 56.34	−0.41	9.9934880	552	3 59	19 44
7.0	570	17 2 44.46	254 49 4.39	60 57.55	−0.42	9.9934328	532	3 59	19 45
8.0	571	17 6 41.02	255 50 1.94	60 58.72	−0.41	9.9933796	514	3 59	19 46
9.0	572	17 10 37.58	256 51 0.66	60 59.84	−0.38	9.9933282	497	3 59	19 47
10.0	573	17 14 34.13	257 52 0.50	61 0.90	−0.32	9.9932785	479	3 58	19 48
11.0	574	17 18 30.69	258 53 1.40	61 1.90	−0.24	9.9932306	464	3 58	19 49
12.0	575	17 22 27.25	259 54 3.30	61 2.80	−0.14	9.9931842	448	3 58	19 50
13.0	576	17 26 23.81	260 55 6.10	61 3.61	−0.01	9.9931394	434	3 58	19 51
14.0	577	17 30 20.37	261 56 9.71	61 4.32	+0.14	9.9930960	418	3 58	19 52
15.0	578	17 34 16.92	262 57 14.03	61 4.92	+0.28	9.9930542	403	3 58	19 52
16.0	579	17 38 13.48	263 58 18.95	61 5.41	+0.41	9.9930139	388	3 59	19 53
17.0	580	17 42 10.04	264 59 24.36	61 5.81	+0.54	9.9929751	371	3 59	19 54
18.0	581	17 46 6.60	266 0 30.17	61 6.12	+0.66	9.9929380	353	3 59	19 55
19.0	582	17 50 3.16	267 1 36.29	61 6.36	+0.74	9.9929027	334	4 0	19 55
20.0	583	17 53 59.72	268 2 42.65	61 6.55	+0.80	9.9928693	312	4 0	19 56
21.0	584	17 57 56.27	269 3 49.20	61 6.69	+0.83	9.9928381	291	4 0	19 56
22.0	585	18 1 52.83	270 4 55.89	61 6.81	+0.81	9.9928090	266	4 1	19 57
23.0	586	18 5 49.39	271 6 2.70	61 6.93	+0.77	9.9927824	241	4 1	19 57
24.0	587	18 9 45.95	272 7 9.63	61 7.05	+0.69	9.9927583	215	4 2	19 58
25.0	588	18 13 42.51	273 8 16.68	61 7.17	+0.60	9.9927368	187	4 3	19 58
26.0	589	18 17 39.07	274 9 23.85	61 7.32	+0.48	9.9927181	159	4 3	19 58
27.0	590	18 21 35.62	275 10 31.17	61 7.50	+0.34	9.9927022	131	4 4	19 59
28.0	591	18 25 32.18	276 11 38.67	61 7.70	+0.22	9.9926891	101	4 5	19 59
29.0	592	18 29 28.74	277 12 46.37	61 7.92	+0.09	9.9926790	74	4 6	19 59
30.0	593	18 33 25.30	278 13 54.29	61 8.16	−0.04	9.9926716	46	4 7	19 59
31.0	594	18 37 21.86	279 15 2.45	61 8.40	−0.16	9.9926670	19	4 7	19 59
32.0	595	18 41 18.41	280 16 10.85		−0.24	9.9926651		4 8	19 59

Mittleres Äquinoktium 1917.0

Mittlere Zeit Greenwich	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
Jan. 1.0	+0.179 7863	7164.2		−0.886 8472	1226.7		−0.384 6905	532.0	
1.5	0.188 3767	7152.0	+18809	0.885 3408	1284.0	+3384	0.384 0371	557.0	+1472
2.0	0.196 9509	7139.2		0.883 7657	1341.2		0.383 3538	581.8	
2.5	0.205 5100	7125.8	18740	0.882 1219	1398.4	3691	0.382 6408	606.5	1605
3.0	0.214 0529	7112.0		0.880 4096	1455.4		0.381 8983	631.1	
3.5	0.222 5788	7097.7	18665	0.878 6290	1512.2	3996	0.381 1261	655.8	1738
4.0	0.231 0873	7082.8		0.876 7804	1568.7		0.380 3244	680.3	
4.5	0.239 5775	7067.4	18585	0.874 8641	1625.1	4300	0.379 4934	704.7	1870
5.0	0.248 0489	7051.5		0.872 8801	1681.6		0.378 6331	729.2	
5.5	0.256 5008	7035.0	18499	0.870 8283	1738.0	4602	0.377 7434	753.6	2002
6.0	+0.264 9328	7018.2		−0.868 7091	1794.2		−0.376 8244	778.0	
6.5	0.273 3442	7000.7	+18407	0.866 5225	1850.1	+4903	0.375 8762	802.3	+2133
7.0	0.281 7343	6982.7		0.864 2690	1905.8		0.374 8990	826.4	
7.5	0.290 1025	6964.2	18310	0.861 9486	1961.5	5202	0.373 8928	850.6	2263
8.0	0.298 4482	6945.2		0.859 5614	2017.1		0.372 8576	874.7	
8.5	0.306 7709	6925.8	18207	0.857 1076	2072.5	5500	0.371 7935	898.8	2392
9.0	0.315 0699	6905.8		0.854 5874	2127.8		0.370 7006	922.8	
9.5	0.323 3445	6885.2	18098	0.852 0009	2182.9	5796	0.369 5789	946.6	2521
10.0	0.331 5942	6864.2		0.849 3485	2237.7		0.368 4287	970.4	
10.5	0.339 8183	6842.6	17984	0.846 6304	2292.4	6091	0.367 2500	994.1	2649
11.0	+0.348 0163	6820.6		−0.843 8467	2347.0		−0.366 0428	1017.9	
11.5	0.356 1875	6798.0	+17864	0.840 9976	2401.5	+6383	0.364 8071	1041.6	+2776
12.0	0.364 3313	6775.0		0.838 0832	2455.8		0.363 5431	1065.1	
12.5	0.372 4472	6751.4	17738	0.835 1037	2509.9	6674	0.362 2509	1088.6	2902
13.0	0.380 5345	6727.3		0.832 0594	2563.9		0.360 9305	1112.1	
13.5	0.388 5926	6702.7	17607	0.828 9504	2617.7	6962	0.359 5820	1135.4	3028
14.0	0.396 6208	6677.6		0.825 7770	2671.2		0.358 2056	1158.6	
14.5	0.404 6184	6651.8	17470	0.822 5395	2724.6	7249	0.356 8013	1181.8	3152
15.0	0.412 5851	6625.7		0.819 2381	2777.8		0.355 3693	1204.9	
15.5	0.420 5202	6599.1	17328	0.815 8729	2830.8	7533	0.353 9096	1228.0	3276
16.0	+0.428 4229	6572.0		−0.812 4442	2883.7		−0.352 4222	1251.0	
16.5	0.436 2927	6544.2	+17181	0.808 9521	2936.4	+7815	0.350 9073	1273.8	+3398
17.0	0.444 1289	6516.0		0.805 3971	2988.7		0.349 3651	1296.6	
17.5	0.451 9310	6487.3	17028	0.801 7793	3040.9	8094	0.347 7956	1319.2	3520
18.0	0.459 6982	6458.0		0.798 0990	3093.0		0.346 1990	1341.8	
18.5	0.467 4300	6428.2	16870	0.794 3563	3144.8	8371	0.344 5753	1364.3	3640
19.0	0.475 1257	6397.9		0.790 5516	3196.3		0.342 9246	1386.7	
19.5	0.482 7847	6367.0	16707	0.786 6852	3247.6	8645	0.341 2472	1409.0	3760
20.0	0.490 4064	6335.7		0.782 7574	3298.7		0.339 5431	1431.2	
20.5	0.497 9901	6303.7	16539	0.778 7684	3349.5	8917	0.337 8124	1453.3	3878
21.0	+0.505 5351	6271.3		−0.774 7186	3400.1		−0.336 0553	1475.2	
21.5	0.513 0409	6238.3	+16365	0.770 6083	3450.4	+9186	0.334 2720	1497.0	+3995

Mittleres Äquinoktium 1917.0

Mittlere Zeit Greenwich	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
Jan. 21.5	+0.513 0409	6238.3	+16365	−0.770 6083	3450.4	+ 9186	−0.334 2720	1497.0	+3995
22.0	0.520 5067	6204.7		0.766 4377	3500.5		0.332 4625	1518.7	
22.5	0.527 9319	6170.6	16186	0.762 2072	3550.3	9452	0.330 6270	1540.3	4111
23.0	0.535 3160	6136.1		0.757 9172	3599.7		0.328 7658	1561.7	
23.5	0.542 6583	6101.0	16002	0.753 5682	3648.8	9715	0.326 8790	1582.9	4225
24.0	0.549 9583	6065.5		0.749 1603	3697.7		0.324 9668	1604.1	
24.5	0.557 2153	6029.4	15814	0.744 6940	3746.1	9975	0.323 0292	1625.2	4338
25.0	0.564 4287	5992.8		0.740 1699	3794.1		0.321 0663	1646.1	
25.5	0.571 5979	5955.7	15620	0.735 5883	3841.9	10232	0.319 0785	1666.8	4450
26.0	0.578 7223	5918.2		0.730 9496	3889.3		0.317 0660	1687.3	
26.5	+0.585 8014	5880.3	+15422	−0.726 2541	3936.4	+10486	−0.315 0290	1707.6	+4561
27.0	0.592 8348	5841.9		0.721 5023	3983.1		0.312 9678	1727.8	
27.5	0.599 8218	5803.2	15218	0.716 6947	4029.5	10736	0.310 8823	1747.9	4670
28.0	0.606 7621	5763.9		0.711 8317	4075.5		0.308 7728	1767.9	
28.5	0.613 6549	5724.1	15010	0.706 9136	4121.2	10983	0.306 6394	1787.7	4777
29.0	0.620 4998	5684.0		0.701 9410	4166.4		0.304 4823	1807.4	
29.5	0.627 2963	5643.5	14797	0.696 9143	4211.3	11227	0.302 3018	1826.8	4883
30.0	0.634 0440	5602.6		0.691 8338	4256.0		0.300 0981	1846.1	
30.5	0.640 7424	5561.3	14580	0.686 7000	4300.2	11467	0.297 8713	1865.2	4987
31.0	0.647 3910	5519.6		0.681 5134	4344.1		0.295 6218	1884.0	
31.5	+0.653 9893	5477.5	+14358	−0.676 2744	4387.5	+11704	−0.293 3496	1902.8	+5090
Febr. 1.0	0.660 5369	5435.0		0.670 9835	4430.6		0.291 0547	1921.6	
1.5	0.667 0332	5392.2	14132	0.665 6411	4473.4	11937	0.288 7375	1940.2	5191
2.0	0.673 4780	5349.0		0.660 2475	4515.9		0.286 3982	1958.6	
2.5	0.679 8707	5305.4	13901	0.654 8032	4557.9	12166	0.284 0368	1976.8	5291
3.0	0.686 2109	5261.5		0.649 3088	4599.5		0.281 6536	1994.9	
3.5	0.692 4981	5217.1	13666	0.643 7646	4640.8	12391	0.279 2490	2012.8	5389
4.0	0.698 7318	5172.4		0.638 1710	4681.8		0.276 8230	2030.5	
4.5	0.704 9117	5127.4	13427	0.632 5284	4722.5	12613	0.274 3758	2048.1	5485
5.0	0.711 0374	5082.1		0.626 8372	4762.7		0.271 9075	2065.6	
5.5	+0.717 1085	5036.4	+13184	−0.621 0980	4802.6	+12831	−0.269 4183	2083.0	+5580
6.0	0.723 1245	4990.2		0.615 3112	4842.0		0.266 9084	2100.2	
6.5	0.729 0849	4943.8	12937	0.609 4773	4881.1	13045	0.264 3780	2117.1	5673
7.0	0.734 9894	4897.0		0.603 5966	4919.9		0.261 8274	2133.9	
7.5	0.740 8375	4849.8	12686	0.597 6696	4958.3	13255	0.259 2568	2150.5	5764
8.0	0.746 6288	4802.4		0.591 6969	4996.3		0.256 6662	2167.1	
8.5	0.752 3630	4754.6	12431	0.585 6787	5033.9	13461	0.254 0558	2183.5	5854
9.0	0.758 0396	4706.4		0.579 6156	5071.2		0.251 4259	2199.6	
9.5	0.763 6581	4657.8	12172	0.573 5079	5108.2	13663	0.248 7767	2215.7	5942
10.0	0.769 2182	4609.0		0.567 3561	5144.8		0.246 1083	2231.6	
10.5	+0.774 7196	4559.9	+11909	−0.561 1606	5181.0	13860	−0.243 4209	2247.3	+6028
11.0	0.780 1619	4510.5		0.554 9219	5216.7		0.240 7148	2262.8	

Mittleres Äquinoktium 1917.0

Mittlere Zeit Greenwich	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
Febr. 11.0	+0.780 1619	4510.5		−0.554 9219	5216.7		−0.240 7148	2262.8	
11.5	0.785 5446	4460.6	+11643	0.548 6406	5252.1	+14053	0.237 9902	2278.2	+6112
12.0	0.790 8672	4410.4		0.542 3170	5287.2		0.235 2471	2293.5	
12.5	0.796 1294	4359.8	11373	0.535 9515	5321.9	14242	0.232 4859	2308.5	6194
13.0	0.801 3307	4309.0		0.529 5447	5356.0		0.229 7067	2323.4	
13.5	0.806 4709	4257.9	11100	0.523 0972	5389.8	14427	0.226 9097	2338.2	6275
14.0	0.811 5495	4206.3		0.516 6093	5423.4		0.224 0952	2352.7	
14.5	0.816 5659	4154.4	10823	0.510 0813	5456.5	14607	0.221 2633	2367.1	6353
15.0	0.821 5199	4102.2		0.503 5139	5489.2		0.218 4143	2381.3	
15.5	0.826 4111	4049.8	10543	0.496 9075	5521.4	14783	0.215 5483	2395.3	6429
16.0	+0.831 2392	3997.0		−0.490 2627	5553.2		−0.212 6656	2409.1	
16.5	0.836 0037	3943.8	+10259	0.483 5799	5584.7	+14954	0.209 7665	2422.7	+6503
17.0	0.840 7041	3890.2		0.476 8597	5615.7		0.206 8511	2436.2	
17.5	0.845 3401	3836.4	9972	0.470 1025	5646.2	15121	0.203 9196	2449.5	6576
18.0	0.849 9113	3782.3		0.463 3090	5676.3		0.200 9723	2462.6	
18.5	0.854 4174	3727.9	9683	0.456 4795	5706.1	15283	0.198 0095	2475.4	6646
19.0	0.858 8580	3673.0		0.449 6146	5735.3		0.195 0314	2488.1	
19.5	0.863 2325	3617.8	9390	0.442 7150	5764.0	15440	0.192 0382	2500.6	6715
20.0	0.867 5407	3562.4		0.435 7813	5792.2		0.189 0301	2512.8	
20.5	0.871 7821	3506.6	9095	0.428 8140	5820.0	15593	0.186 0075	2524.8	6781
21.0	+0.875 9566	3450.8		−0.421 8135	5847.3		−0.182 9706	2536.7	
21.5	0.880 0639	3394.6	+ 8797	0.414 7806	5874.1	+15741	0.179 9196	2548.3	+6846
22.0	0.884 1035	3338.1		0.407 7158	5900.5		0.176 8548	2559.7	
22.5	0.888 0752	3281.3	8496	0.400 6196	5926.4	15884	0.173 7765	2570.8	6908
23.0	0.891 9786	3224.3		0.393 4928	5951.7		0.170 6849	2581.7	
23.5	0.895 8135	3167.2	8192	0.386 3361	5976.3	16022	0.167 5803	2592.5	6968
24.0	0.899 5797	3109.7		0.379 1499	6000.6		0.164 4630	2603.0	
24.5	0.903 2768	3052.1	7886	0.371 9348	6024.5	16155	0.161 3332	2613.3	7026
25.0	0.906 9047	2994.3		0.364 6914	6047.7		0.158 1912	2623.3	
25.5	0.910 4631	2936.3	7577	0.357 4205	6070.4	16283	0.155 0374	2633.1	7082
26.0	+0.913 9518	2878.1		−0.350 1227	6092.6		−0.151 8719	2642.7	
26.5	0.917 3705	2819.8	+ 7266	0.342 7985	6114.4	+16406	0.148 6950	2652.2	+7135
27.0	0.920 7192	2761.3		0.335 4484	6135.7		0.145 5068	2661.4	
27.5	0.923 9975	2702.6	6953	0.328 0731	6156.5	16524	0.142 3077	2670.4	7186
28.0	0.927 2053	2643.7		0.320 6731	6176.8		0.139 0979	2679.2	
28.5	0.930 3424	2584.8	6638	0.313 2490	6196.6	16637	0.135 8778	2687.7	7235
März 1.0	0.933 4087	2525.7		0.305 8014	6215.9		0.132 6476	2696.0	
1.5	0.936 4041	2466.5	6321	0.298 3310	6234.7	16745	0.129 4074	2704.2	7282
2.0	0.939 3284	2407.2		0.290 8382	6253.1		0.126 1575	2712.2	
2.5	0.942 1814	2347.7	6002	0.283 3237	6271.0	16848	0.122 8981	2720.0	7327
3.0	+0.944 9629	2288.1		−0.275 7880	6288.4		−0.119 6296	2727.5	
3.5	0.947 6728	2228.4	+ 5681	0.268 2317	6305.4	+16946	0.116 3522	2734.8	+7370

Mittleres Äquinoktium 1917.0

Mittlere Zeit Greenwich	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
März 3.5	+0.947 6728	2228.4	+5681	−0.268 2317	6305.4	+16946	−0.116 3522	2734.8	+7370
4.0	0.950 3109	2168.5		0.260 6553	6321.8		0.113 0661	2742.0	
4.5	0.952 8771	2108.6	5359	0.253 0596	6337.7	17039	0.109 7716	2748.9	7410
5.0	0.955 3714	2048.6		0.245 4450	6353.2		0.106 4689	2755.6	
5.5	0.957 7936	1988.4	5035	0.237 8121	6368.3	17127	0.103 1582	2762.2	7448
6.0	0.960 1434	1928.0		0.230 1614	6382.8		0.099 8398	2768.5	
6.5	0.962 4207	1867.5	4710	0.222 4936	6396.9	17209	0.096 5139	2774.6	7484
7.0	0.964 6255	1807.1		0.214 8090	6410.6		0.093 1808	2780.5	
7.5	0.966 7578	1746.6	4383	0.207 1084	6423.8	17287	0.089 8407	2786.3	7518
8.0	0.968 8174	1685.9		0.199 3922	6436.4		0.086 4938	2791.8	
8.5	+0.970 8040	1625.1	+4054	−0.191 6612	6448.6	+17359	−0.083 1405	2797.1	+7549
9.0	0.972 7176	1564.2		0.183 9158	6460.4		0.079 7808	2802.3	
9.5	0.974 5581	1503.3	3724	0.176 1565	6471.7	17426	0.076 4151	2807.2	7578
10.0	0.976 3254	1442.3		0.168 3839	6482.5		0.073 0436	2812.0	
10.5	0.978 0195	1381.2	3394	0.160 5986	6492.9	17487	0.069 6665	2816.5	7605
11.0	0.979 6402	1320.0		0.152 8011	6502.9		0.066 2841	2820.8	
11.5	0.981 1874	1258.7	3062	0.144 9919	6512.4	17543	0.062 8966	2825.0	7630
12.0	0.982 6610	1197.4		0.137 1716	6521.4		0.059 5042	2828.9	
12.5	0.984 0610	1135.9	2729	0.129 3408	6529.9	17594	0.056 1073	2832.6	7652
13.0	0.985 3872	1074.4		0.121 5001	6537.9		0.052 7061	2836.1	
13.5	+0.986 6395	1012.8	+2396	−0.113 6501	6545.4	+17640	−0.049 3008	2839.4	+7672
14.0	0.987 8178	951.1		0.105 7912	6552.6		0.045 8915	2842.6	
14.5	0.988 9221	889.4	2062	0.097 9240	6559.3	17680	0.042 4786	2845.5	7689
15.0	0.989 9522	827.5		0.090 0491	6565.4		0.039 0624	2848.2	
15.5	0.990 9081	765.6	1727	0.082 1671	6571.2	17715	0.035 6431	2850.7	7704
16.0	0.991 7896	703.6		0.074 2785	6576.4		0.032 2209	2853.0	
16.5	0.992 5967	641.5	1392	0.066 3840	6581.1	17745	0.028 7961	2855.0	7717
17.0	0.993 3292	579.3		0.058 4841	6585.3		0.025 3689	2856.9	
17.5	0.993 9871	517.1	1056	0.050 5794	6589.1	17770	0.021 9397	2858.5	7728
18.0	0.994 5703	454.9		0.042 6704	6592.4		0.018 5086	2859.9	
18.5	+0.995 0788	392.7	+ 720	−0.034 7579	6595.0	+17789	−0.015 0760	2861.1	+7736
19.0	0.995 5127	330.5		0.026 8425	6597.3		0.011 6421	2862.0	
19.5	0.995 8721	268.0	384	0.018 9247	6599.0	17803	0.008 2072	2862.8	7742
20.0	0.996 1559	205.5		0.011 0052	6600.1		0.004 7716	2863.2	
20.5	0.996 3650	143.1	+ 47	−0.003 0846	6600.8	17811	−0.001 3356	2863.4	7746
21.0	0.996 4993	80.7		+0.004 8365	6600.9		+0.002 1006	2863.5	
21.5	0.996 5587	18.3	− 290	0.012 7574	6600.5	17814	0.005 5367	2863.3	7748
22.0	0.996 5432	44.1		0.020 6775	6599.5		0.008 9724	2862.9	
22.5	0.996 4528	106.5	627	0.028 5960	6598.0	17812	0.012 4075	2862.2	7747
23.0	0.996 2876	168.8		0.036 5125	6596.0		0.015 8415	2861.2	
23.5	+0.996 0476	231.2	− 964	+0.044 4262	6593.4	+17805	+0.019 2743	2860.1	+7743
24.0	0.995 7327	293.5		0.052 3365	6590.3		0.022 7056	2858.7	

Mittleres Äquinoktium 1917.0

Mittlere Zeit Greenwich	*X*	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
März 24.0	+0.995 7327	293.5		+0.052 3365	6590.3		+0.022 7056	2858.7	
24.5	0.995 3431	355.7	−1300	0.060 2428	6586.7	+17792	0.026 1351	2857.1	+7738
25.0	0.994 8791	417.7		0.068 1444	6582.5		0.029 5626	2855.3	
25.5	0.994 3406	479.8	1635	0.076 0407	6577.8	17773	0.032 9877	2853.2	7730
26.0	0.993 7275	541.8		0.083 9310	6572.6		0.036 4102	2850.9	
26.5	0.993 0402	603.6	1970	0.091 8148	6567.0	17750	0.039 8298	2848.5	7720
27.0	0.992 2790	665.2		0.099 6915	6560.8		0.043 2464	2845.8	
27.5	0.991 4438	726.8	2304	0.107 5605	6554.2	17721	0.046 6596	2842.8	7707
28.0	0.990 5348	788.3		0.115 4213	6547.0		0.050 0691	2839.6	
28.5	0.989 5519	849.8	2638	0.123 2730	6539.2	17687	0.053 4747	2836.3	7692
29.0	+0.988 4954	911.0		+0.131 1152	6531.0		+0.056 8762	2832.8	
29.5	0.987 3656	972.1	−2971	0.138 9473	6522.4	+17648	0.060 2733	2829.0	+7675
30.0	0.986 1625	1033.1		0.146 7688	6513.3		0.063 6657	2825.0	
30.5	0.984 8864	1093.9	3303	0.154 5791	6503.7	17603	0.067 0533	2820.9	7656
31.0	0.983 5373	1154.6		0.162 3775	6493.6		0.070 4358	2816.5	
31.5	0.982 1154	1215.2	3634	0.170 1636	6483.1	17553	0.073 8129	2811.9	7634
April 1.0	0.980 6209	1275.6		0.177 9367	6472.1		0.077 1844	2807.2	
1.5	0.979 0541	1335.8	3964	0.185 6964	6460.7	17498	0.080 5501	2802.2	7610
2.0	0.977 4151	1395.8		0.193 4422	6448.8		0.083 9097	2797.1	
2.5	0.975 7040	1455.9	4293	0.201 1734	6436.5	17438	0.087 2631	2791.8	7584
3.0	+0.973 9209	1515.8		+0.208 8895	6423.6		+0.090 6099	2786.2	
3.5	0.972 0661	1575.5	−4621	0.216 5899	6410.4	+17373	0.093 9499	2780.5	+7556
4.0	0.970 1398	1635.0		0.224 2742	6396.7		0.097 2829	2774.6	
4.5	0.968 1422	1694.3	4947	0.231 9418	6382.5	17303	0.100 6088	2768.5	7525
5.0	0.966 0735	1753.4		0.239 5921	6367.9		0.103 9272	2762.1	
5.5	0.963 9338	1812.5	5272	0.247 2247	6353.0	17227	0.107 2378	2755.6	7492
6.0	0.961 7234	1871.4		0.254 8390	6337.5		0.110 5406	2749.0	
6.5	0.959 4426	1930.0	5595	0.262 4345	6321.6	17147	0.113 8354	2742.2	7457
7.0	0.957 0915	1988.5		0.270 0107	6305.3		0.117 1218	2735.1	
7.5	0.954 6702	2047.0	5916	0.277 5671	6288.6	17061	0.120 3995	2727.8	7420
8.0	+0.952 1788	2105.3		+0.285 1032	6271.5		+0.123 6685	2720.5	
8.5	0.949 6175	2163.4	−6236	0.292 6185	6254.0	+16971	0.126 9286	2713.0	+7381
9.0	0.946 9867	2221.2		0.300 1125	6235.9		0.130 1795	2705.2	
9.5	0.944 2867	2278.8	6554	0.307 5845	6217.4	16875	0.133 4209	2697.1	7339
10.0	0.941 5177	2336.2		0.315 0342	6198.6		0.136 6526	2689.0	
10.5	0.938 6798	2393.6	6870	0.322 4611	6179.5	16775	0.139 8745	2680.7	7295
11.0	0.935 7730	2451.0		0.329 8647	6159.8		0.143 0862	2672.7	
11.5	0.932 7975	2508.1	7184	0.337 2444	6139.6	16669	0.146 2876	2663.5	7249
12.0	0.929 7536	2565.0		0.344 5997	6119.1		0.149 4785	2654.6	
12.5	0.926 6416	2621.6	7496	0.351 9301	6098.2	16558	0.152 6586	2645.5	7201
13.0	+0.923 4617	2678.2		+0.359 2351	6076.8		+0.155 8276	2636.2	
13.5	0.920 2141	2734.5	−7806	0.366 5142	6055.0	+16443	0.158 9854	2626.8	+7151

Mittleres Äquinoktium 1917.0

Mittlere Zeit Greenwich	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
April 13.5	+0.920 2141	2734.5	— 7806	+0.366 5142	6055.0	+16443	+0.158 9854	2626.8	+7151
14.0	0.916 8990	2790.6		0.373 7668	6032.7		0.162 1318	2617.2	
14.5	0.913 5166	2846.7	8113	0.380 9924	6009.9	16323	0.165 2665	2607.2	7099
15.0	0.910 0670	2902.6		0.388 1904	5986.7		0.168 3891	2597.1	
15.5	0.906 5505	2958.2	8418	0.395 3604	5963.2	16198	0.171 4995	2586.9	7045
16.0	0.902 9675	3013.5		0.402 5018	5939.1		0.174 5976	2576.5	
16.5	0.899 3182	3068.7	8721	0.409 6141	5914.6	16068	0.177 6830	2565.8	6989
17.0	0.895 6028	3123.6		0.416 6967	5889.6		0.180 7556	2554.9	
17.5	0.891 8216	3178.3	9021	0.423 7490	5864.2	15934	0.183 8149	2543.8	6930
18.0	0.887 9749	3232.8		0.430 7705	5838.3		0.186 8609	2532.6	
18.5	+0.884 0629	3287.2	— 9319	+0.437 7608	5812.1	+15795	+0.189 8932	2521.2	+6869
19.0	0.880 0858	3341.2		0.444 7192	5785.2		0.192 9117	2509.5	
19.5	0.876 0441	3394.9	9614	0.451 6450	5757.9	15651	0.195 9160	2497.6	6807
20.0	0.871 9381	3448.3		0.458 5379	5730.2		0.198 9060	2485.6	
20.5	0.867 7682	3501.5	9906	0.465 3973	5702.1	15503	0.201 8815	2473.4	6743
21.0	0.863 5347	3554.3		0.472 2227	5673.5		0.204 8421	2461.0	
21.5	0.859 2380	3606.8	10195	0.479 0135	5644.4	15351	0.207 7877	2448.4	6677
22.0	0.854 8784	3659.1		0.485 7692	5615.0		0.210 7181	2435.6	
22.5	0.850 4562	3711.0	10481	0.492 4894	5585.2	15194	0.213 6330	2422.6	6609
23.0	0.845 9718	3762.5		0.499 1734	5554.8		0.216 5322	2409.4	
23.5	+0.841 4258	3813.9	—10764	+0.505 8208	5524.1	+15032	+0.219 4154	2396.0	+6538
24.0	0.836 8185	3864.9		0.512 4311	5493.0		0.222 2825	2382.5	
24.5	0.832 1502	3915.5	11044	0.519 0039	5461.6	14866	0.225 1333	2368.9	6466
25.0	0.827 4214	3965.8		0.525 5387	5429.7		0.227 9677	2355.0	
25.5	0.822 6325	4015.6	11321	0.532 0350	5397.4	14696	0.230 7853	2340.9	6391
26.0	0.817 7840	4065.2		0.538 4923	5364.7		0.233 5859	2326.8	
26.5	0.812 8762	4114.5	11594	0.544 9102	5331.7	14521	0.236 3695	2312.5	6315
27.0	0.807 9095	4163.3		0.551 2883	5298.4		0.239 1358	2298.0	
27.5	0.802 8844	4211.8	11864	0.557 6261	5264.6	14342	0.241 8846	2283.4	6237
28.0	0.797 8013	4260.0		0.563 9231	5230.4		0.244 6158	2268.6	
28.5	+0.792 6606	4307.8	—12131	+0.570 1790	5196.0	+14159	+0.247 3291	2253.6	+6157
29.0	0.787 4627	4355.3		0.576 3933	5161.1		0.250 0244	2238.6	
29.5	0.782 2081	4402.3	12394	0.582 5656	5126.0	13972	0.252 7016	2223.4	6076
30.0	0.776 8972	4449.1		0.588 6956	5090.6		0.255 3604	2208.0	
30.5	0.771 5303	4495.6	12653	0.594 7828	5054.8	13781	0.258 0007	2192.4	5993
Mai 1.0	0.766 1080	4541.5		0.600 8269	5018.6		0.260 6222	2176.7	
1.5	0.760 6308	4587.1	12909	0.606 8274	4982.2	13586	0.263 2248	2160.9	5908
2.0	0.755 0990	4632.5		0.612 7840	4945.4		0.265 8084	2145.1	
2.5	0.749 5130	4677.4	13161	0.618 6962	4908.3	13387	0.268 3729	2129.1	5821
3.0	0.743 8733	4722.1		0.624 5637	4870.8		0.270 9181	2112.9	
3.5	+0.738 1802	4766.3	—13409	+0.630 3860	4833.1	+13184	+0.273 4437	2096.5	+5733
4.0	0.732 4344	4810.0		0.636 1629	4795.1		0.275 9496	2080.0	

Mittleres Äquinoktium 1917.0

Mittlere Zeit Greenwich	*X*	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
Mai 4.0	+0.732 4344	4810.0		+0.636 1629	4795.1		+0.275 9496	2080.0	
4.5	0.726 6363	4853.5	−13653	0.641 8941	4756.8	+12977	0.278 4357	2063.4	+5643
5.0	0.720 7861	4896.7		0.647 5791	4718.2		0.280 9018	2046.7	
5.5	0.714 8843	4939.6	13894	0.653 2176	4679.3	12767	0.283 3477	2029.8	5552
6.0	0.708 9313	4982.0		0.658 8092	4640.1		0.285 7733	2012.9	
6.5	0.702 9276	5024.1	14131	0.664 3536	4600.6	12553	0.288 1785	1995.8	5459
7.0	0.696 8735	5065.9		0.669 8505	4560.9		0.290 5631	1978.6	
7.5	0.690 7696	5107.2	14363	0.675 2995	4520.8	12335	0.292 9270	1961.2	5365
8.0	0.684 6163	5148.2		0.680 7002	4480.4		0.295 2699	1943.7	
8.5	0.678 4140	5188.8	14591	0.686 0523	4439.8	12114	0.297 5918	1926.2	5269
9.0	+0.672 1632	5229.2		+0.691 3555	4398.8		+0.299 8926	1908.5	
9.5	0.665 8641	5269.2	−14815	0.696 6094	4357.6	+11889	0.302 1720	1890.6	+5171
10.0	0.659 5172	5308.9		0.701 8137	4316.1		0.304 4298	1872.5	
10.5	0.653 1229	5348.2	15035	0.706 9680	4274.3	11662	0.306 6659	1854.4	5072
11.0	0.646 6816	5387.2		0.712 0719	4232.2		0.308 8802	1836.2	
11.5	0.640 1938	5425.7	15251	0.717 1251	4189.8	11430	0.311 0725	1817.8	4971
12.0	0.633 6600	5463.9		0.722 1274	4147.2		0.313 2427	1799.2	
12.5	0.627 0805	5501.9	15462	0.727 0783	4104.2	11196	0.315 3905	1780.5	4869
13.0	0.620 4557	5539.4		0.731 9773	4060.8		0.317 5159	1761.7	
13.5	0.613 7862	5576.4	15669	0.736 8241	4017.1	10958	0.319 6186	1742.8	4766
14.0	+0.607 0724	5613.1		+0.741 6183	3973.2		+0.321 6986	1723.8	
14.5	0.600 3148	5649.5	−15871	0.746 3597	3929.0	+10717	0.323 7556	1704.5	+4661
15.0	0.593 5138	5685.4		0.751 0478	3884.5		0.325 7894	1685.1	
15.5	0.586 6700	5720.9	16068	0.755 6823	3839.7	10473	0.327 7998	1665.6	4555
16.0	0.579 7837	5756.1		0.760 2629	3794.6		0.329 7868	1646.1	
16.5	0.572 8555	5790.9	16261	0.764 7892	3749.2	10226	0.331 7503	1626.4	4448
17.0	0.565 8858	5825.2		0.769 2609	3703.5		0.333 6901	1606.5	
17.5	0.558 8754	5858.9	16450	0.773 6775	3657.4	9976	0.335 6059	1586.5	4339
18.0	0.551 8246	5892.3		0.778 0386	3611.1		0.337 4977	1566.4	
18.5	0.544 7340	5925.2	16634	0.782 3441	3564.6	9723	0.339 3652	1546.1	4229
19.0	+0.537 6042	5957.7		+0.786 5936	3517.8		+0.341 2083	1525.8	
19.5	0.530 4356	5989.8	−16813	0.790 7866	3470.7	+ 9467	0.343 0270	1505.3	+4117
20.0	0.523 2289	6021.3		0.794 9230	3423.3		0.344 8210	1484.7	
20.5	0.515 9847	6052.3	16987	0.799 0024	3375.7	9209	0.346 5903	1464.1	4005
21.0	0.508 7035	6083.0		0.803 0246	3327.9		0.348 3348	1443.3	
21.5	0.501 3858	6113.1	17157	0.806 9892	3279.8	8948	0.350 0543	1422.4	3891
22.0	0.494 0322	6142.8		0.810 8959	3231.4		0.351 7486	1401.4	
22.5	0.486 6432	6172.0	17321	0.814 7445	3182.9	8684	0.353 4177	1380.4	3776
23.0	0.479 2196	6200.6		0.818 5347	3134.1		0.355 0614	1359.2	
23.5	0.471 7619	6228.8	17481	0.822 2662	3085.1	8418	0.356 6797	1337.9	3660
24.0	+0.464 2707	6256.5		+0.825 9388	3035.9		+0.358 2724	1316.5	
24.5	0.456 7466	6283.6	−17635	0.829 5522	2986.4	+ 8150	0.359 8394	1295.1	+3543

Mittleres Äquinoktium 1917.0

Mittlere Zeit Greenwich	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
Mai 24.5	+0.456 7466	6283.6	−17635	+0.829 5522	2986.4	+8150	+0.359 8394	1295.1	+3543
25.0	0.449 1902	6310.4		0.833 1062	2936.9		0.361 3807	1273.7	
25.5	0.441 6019	6336.7	17785	0.836 6007	2887.2	7879	0.362 8962	1252.2	3426
26.0	0.433 9824	6362.4		0.840 0355	2837.3		0.364 3859	1230.6	
26.5	0.426 3323	6387.7	17930	0.843 4103	2787.2	7606	0.365 8495	1208.8	3307
27.0	0.418 6521	6412.5		0.846 7248	2737.0		0.367 2870	1187.0	
27.5	0.410 9424	6436.9	18069	0.849 9790	2686.6	7330	0.368 6983	1165.1	3188
28.0	0.403 2038	6460.7		0.853 1725	2635.9		0.370 0833	1143.2	
28.5	0.395 4370	6484.0	18203	0.856 3052	2585.2	7052	0.371 4420	1121.3	3067
29.0	0.387 6424	6506.9		0.859 3770	2534.4		0.372 7744	1099.3	
29.5	+0.379 8206	6529.4	−18332	+0.862 3877	2483.4	+6773	+0.374 0802	1077.1	+2946
30.0	0.371 9721	6551.3		0.865 3372	2432.3		0.375 3595	1055.0	
30.5	0.364 0977	6572.7	18456	0.868 2252	2381.0	6492	0.376 6122	1032.8	2823
31.0	0.356 1978	6593.7		0.871 0515	2329.5		0.377 8382	1010.5	
31.5	0.348 2731	6614.2	18575	0.873 8160	2278.0	6209	0.379 0374	988.1	2700
Juni 1.0	0.340 3240	6634.2		0.876 5186	2226.3		0.380 2097	965.8	
1.5	0.332 3512	6653.7	18688	0.879 1591	2174.6	5924	0.381 3552	943.3	2576
2.0	0.324 3553	6672.8		0.881 7375	2122.7		0.382 4738	920.9	
2.5	0.316 3367	6691.5	18795	0.884 2536	2070.8	5638	0.383 5654	898.4	2452
3.0	0.308 2959	6709.7		0.886 7073	2018.7		0.384 6300	875.9	
3.5	+0.300 2336	6727.4	−18898	+0.889 0985	1966.6	+5350	+0.385 6675	853.3	+2327
4.0	0.292 1503	6744.7		0.891 4270	1914.3		0.386 6778	830.5	
4.5	0.284 0465	6761.5	18995	0.893 6927	1861.8	5061	0.387 6608	807.8	2201
5.0	0.275 9228	6777.9		0.895 8954	1809.3		0.388 6165	785.1	
5.5	0.267 7797	6793.9	19087	0.898 0350	1756.7	4770	0.389 5450	762.3	2074
6.0	0.259 6177	6809.4		0.900 1115	1704.1		0.390 4461	739.5	
6.5	0.251 4373	6824.5	19174	0.902 1248	1651.3	4478	0.391 3198	716.6	1947
7.0	0.243 2391	6839.2		0.904 0747	1598.4		0.392 1660	693.7	
7.5	0.235 0235	6853.4	19255	0.905 9611	1545.4	4184	0.392 9846	670.6	1819
8.0	0.226 7912	6867.1		0.907 7837	1492.3		0.393 7755	647.6	
8.5	+0.218 5427	6880.4	−19331	+0.909 5425	1439.0	+3889	+3.394 5388	624.6	+1691
9.0	0.210 2785	6893.2		0.911 2372	1385.6		0.395 2744	601.4	
9.5	0.201 9992	6905.6	19401	0.912 8678	1332.1	3594	0.395 9821	578.1	1563
10.0	0.193 7052	6917.6		0.914 4343	1278.6		0.396 6618	554.8	
10.5	0.185 3972	6929.0	19466	0.915 9365	1225.0	3297	0.397 3136	531.6	1434
11.0	0.177 0757	6940.1		0.917 3743	1171.2		0.397 9375	508.2	
11.5	0.168 7412	6950.6	19526	0.918 7473	1117.2	2999	0.398 5333	484.8	1305
12.0	0.160 3944	6960.7		0.920 0554	1063.0		0.399 1009	461.3	
12.5	0.152 0358	6970.2	19580	0.921 2986	1008.8	2700	0.399 6403	437.7	1175
13.0	0.143 6661	6979.2		0.922 4768	954.6		0.400 1514	414.1	
13.5	+0.135 2859	6987.7	−19628	+0.923 5899	900.4	+2401	+0.400 6342	390.5	+1045
14.0	0.126 8957	6995.8		0.924 6378	846.0		0.401 0886	366.9	

Mittleres Äquinoktium 1917.0

Mittlere Zeit Greenwich	*X*	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
Juni 14.0	+0.126 8957	6995.8		+0.924 6378	846.0		+0.401 0886	366.9	
14.5	0.118 4961	7003.4	−19671	0.925 6203	791.4	+2101	0.401 5147	343.3	+ 914
15.0	0.110 0877	7010.5		0.926 5373	736.8		0.401 9124	319.6	
15.5	0.101 6712	7016.9	19708	0.927 3887	682.2	1800	0.402 2816	295.8	783
16.0	0.093 2473	7022.9		0.928 1745	627.5		0.402 6223	271.9	
16.5	0.084 8165	7028.3	19740	0.928 8946	572.7	1499	0.402 9343	248.1	652
17.0	0.076 3795	7033.3		0.929 5489	517.8		0.403 2178	224.3	
17.5	0.067 9369	7037.7	19766	0.930 1373	462.8	1197	0.403 4727	200.5	521
18.0	0.059 4893	7041.5		0.930 6597	407.9		0.403 6990	176.7	
18.5	0.051 0375	7044.8	19787	0.931 1162	352.9	895	0.403 8967	152.8	389
19.0	+0.042 5820	7047.6		+0.931 5067	297.9		+0.404 0658	128.9	
19.5	0.034 1234	7049.9	−19802	0.931 8311	242.9	+ 593	0.404 2062	105.0	+ 258
20.0	0.025 6625	7051.6		0.932 0895	187.9		0.404 3179	81.2	
20.5	0.017 1998	7052.8	19811	0.932 2820	132.9	+ 290	0.404 4010	57.3	+ 126
21.0	0.008 7360	7053.4		0.932 4084	77.8		0.404 4555	33.5	
21.5	+0.000 2718	7053.5	19814	0.932 4687	22.8	− 13	0.404 4814	9.6	− 5
22.0	−0.008 1922	7053.1		0.932 4630	32.3		0.404 4786	14.2	
22.5	0.016 6554	7052.2	19812	0.932 3913	87.2	316	0.404 4472	38.1	137
23.0	0.025 1172	7050.8		0.932 2538	142.0		0.404 3872	61.9	
23.5	0.033 5770	7048.8	19804	0.932 0504	197.0	619	0.404 2987	85.7	268
24.0	−0.042 0342	7046.4		+0.931 7811	251.9		+0.404 1816	109.4	
24.5	0.050 4881	7043.4	−19791	0.931 4459	306.7	− 921	0.404 0361	133.1	− 400
25.0	0.058 9382	7039.9		0.931 0450	361.5		0.403 8621	156.9	
25.5	0.067 3837	7035.9	19772	0.930 5783	416.2	1223	0.403 6595	180.7	532
26.0	0.075 8241	7031.4		0.930 0460	470.8		0.403 4285	204.4	
26.5	0.084 2588	7026.4	19748	0.929 4483	525.3	1524	0.403 1691	228.0	663
27.0	0.092 6872	7020.9		0.928 7852	579.9		0.402 8814	251.6	
27.5	0.101 1087	7014.9	19718	0.928 0566	634.4	1825	0.402 5654	275.2	794
28.0	0.109 5227	7008.4		0.927 2627	688.8		0.402 2210	298.8	
28.5	0.117 9286	7001.4	19683	0.926 4036	743.1	2126	0.401 8483	322.3	925
29.0	−0.126 3259	6994.0		+0.925 4794	797.3		+0.401 4475	345.8	
29.5	0.134 7139	6986.0	−19642	0.924 4902	851.3	−2426	0.401 0185	369.2	−1055
30.0	0.143 0921	6977.6		0.923 4362	905.4		0.400 5614	392.6	
30.5	0.151 4599	6968.7	19595	0.922 3173	959.4	2725	0.400 0763	415.9	1185
Juli 1.0	0.159 8167	6959.3		0.921 1337	1013.3		0.399 5632	439.2	
1.5	0.168 1620	6949.5	19543	0.919 8855	1067.0	3024	0.399 0221	462.5	1315
2.0	0.176 4953	6939.3		0.918 5730	1120.5		0.398 4531	485.8	
2.5	0.184 8160	6928.6	19486	0.917 1963	1174.0	3322	0.397 8562	509.0	1445
3.0	0.193 1236	6917.4		0.915 7555	1227.4		0.397 2316	532.1	
3.5	0.201 4176	6905.8	19423	0.914 2505	1280.8	3619	0.396 5791	555.3	1574
4.0	−0.209 6973	6893.7		+0.912 6816	1334.0		+0.395 8988	578.5	
4.5	0.217 9623	6881.2	−19355	0.911 0489	1387.1	−3914	0.395 1908	601.5	−1702

Mittleres Äquinoktium 1917.0

Mittlere Zeit Greenwich	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
Juli 4.5	−0.217 9623	6881.2	−19355	+0.911 0489	1387.1	−3914	+0.395 1908	601.5	−1702
5.0	0.226 2121	6868.4		0.909 3525	1440.2		0.394 4553	624.4	
5.5	0.234 4462	6855.0	19281	0.907 5924	1493.3	4209	0.393 6923	647.4	1830
6.0	0.242 6640	6841.2		0.905 7687	1546.2		0.392 9017	670.4	
6.5	0.250 8650	6827.0	19202	0.903 8816	1599.0	4502	0.392 0834	693.4	1958
7.0	0.259 0487	6812.3		0.901 9312	1651.6		0.391 2376	716.3	
7.5	0.267 2144	6797.2	19117	0.899 9177	1704.2	4794	0.390 3644	739.0	2085
8.0	0.275 3617	6781.6		0.897 8410	1756.8		0.389 4639	761.8	
8.5	0.283 4901	6765.6	19027	0.895 7013	1809.3	5085	0.388 5360	784.6	2211
9.0	0.291 5990	6749.1		0.893 4987	1861.6		0.387 5808	807.4	
9.5	−0.299 6878	6732.1	−18932	+0.891 2334	1913.9	−5375	+0.386 5983	830.1	−2337
10.0	0.307 7559	6714.6		0.888 9053	1966.2		0.385 5885	852.8	
10.5	0.315 8027	6696.7	18831	0.886 5145	2018.4	5663	0.384 5515	875.5	2463
11.0	0.323 8278	6678.4		0.884 0612	2070.4		0.383 4873	898.1	
11.5	0.331 8305	6659.4	18725	0.881 5457	2122.2	5949	0.382 3960	920.6	2587
12.0	0.339 8101	6639.9		0.878 9680	2173.9		0.381 2778	943.1	
12.5	0.347 7661	6620.1	18614	0.876 3283	2225.6	6234	0.380 1326	965.5	2711
13.0	0.355 6981	6599.8		0.873 6266	2277.2		0.378 9605	988.0	
13.5	0.363 6053	6578.9	18498	0.870 8630	2328.7	6517	0.377 7614	1010.4	2834
14.0	0.371 4872	6557.5		0.868 0377	2380.0		0.376 5356	1032.6	
14.5	−0.379 3432	6535.6	−18376	+0.865 1510	2431.1	−6798	+0.375 2832	1054.8	−2957
15.0	0.387 1725	6513.2		0.862 2031	2482.1		0.374 0042	1076.9	
15.5	0.394 9747	6490.4	18249	0.859 1940	2532.9	7077	0.372 6987	1098.9	3078
16.0	0.402 7492	6467.0		0.856 1241	2583.4		0.371 3668	1120.9	
16.5	0.410 4953	6443.1	18117	0.852 9936	2633.9	7354	0.370 0085	1142.9	3199
17.0	0.418 2125	6418.6		0.849 8027	2684.3		0.368 6239	1164.7	
17.5	0.425 9002	6393.7	17979	0.846 5515	2734.4	7629	0.367 2132	1186.4	3318
18.0	0.433 5577	6368.5		0.843 2403	2784.3		0.365 7766	1208.0	
18.5	0.441 1845	6342.8	17837	0.839 8693	2834.0	7902	0.364 3139	1229.6	3437
19.0	0.448 7802	6316.6		0.836 4388	2883.5		0.362 8255	1251.0	
19.5	−0.456 3441	6289.8	−17690	+0.832 9490	2932.7	−8173	+0.361 3114	1272.4	−3555
20.0	0.463 8756	6262.6		0.829 4003	2981.8		0.359 7718	1293.6	
20.5	0.471 3741	6234.8	17538	0.825 7928	3030.7	8442	0.358 2067	1314.7	3672
21.0	0.478 8390	6206.6		0.822 1268	3079.2		0.356 6162	1335.9	
21.5	0.486 2698	6178.0	17381	0.818 4027	3127.6	8708	0.355 0005	1356.9	3787
22.0	0.493 6661	6149.0		0.814 6206	3175.8		0.353 3597	1377.7	
22.5	0.501 0272	6119.5	17219	0.810 7809	3223.7	8972	0.351 6940	1398.5	3902
23.0	0.508 3527	6089.6		0.806 8839	3271.3		0.350 0034	1419.2	
23.5	0.515 6420	6059.2	17052	0.802 9299	3318.7	9234	0.348 2880	1439.7	4015
24.0	0.522 8945	6028.2		0.798 9191	3365.9		0.346 5482	1460.0	
24.5	−0.530 1095	5996.9	−16880	+0.794 8519	3412.7	−9492	+0.344 7840	1480.3	−4128
25.0	0.537 2868	5965.3		0.790 7287	3459.2		0.342 9954	1500.5	

Mittleres Äquinoktium 1917.0

Mittlere Zeit Greenwich	*X*	Stündliche Änderung	Reduktion auf 1925.0	*Y*	Stündliche Änderung	Reduktion auf 1925.0	*Z*	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
Juli 25.0	−0.537 2868	5965.3		+0.790 7287	3459.2		+0.342 9954	1500.5	
25.5	0.544 4259	5933.1	−16703	0.786 5499	3505.5	− 9748	0.341 1826	1520.6	−4240
26.0	0.551 5261	5900.5		0.782 3156	3551.6		0.339 3459	1540.5	
26.5	0.558 5870	5867.6	16521	0.778 0261	3597.5	10001	0.337 4854	1560.3	4350
27.0	0.565 6082	5834.2		0.773 6817	3643.1		0.335 6011	1580.1	
27.5	0.572 5890	5800.4	16335	0.769 2827	3688.4	10251	0.333 6931	1599.8	4459
28.0	0.579 5290	5766.2		0.764 8296	3733.3		0.331 7617	1619.2	
28.5	0.586 4278	5731.7	16145	0.760 3229	3777.9	10498	0.329 8070	1638.5	4566
29.0	0.593 2850	5696.8		0.755 7627	3822.3		0.327 8292	1657.8	
29.5	0.600 1000	5661.5	15950	0.751 1494	3866.5	10742	0.325 8284	1676.9	4672
30.0	−0.606 8724	5625.8		+0.746 4833	3910.3		+0.323 8047	1695.9	
30.5	0.613 6017	5589.7	−15750	0.741 7649	3953.7	−10983	0.321 7583	1714.7	−4777
31.0	0.620 2876	5553.3		0.736 9944	3997.0		0.319 6894	1733.5	
31.5	0.626 9297	5516.6	15546	0.732 1721	4040.1	11221	0.317 5980	1752.2	4880
Aug. 1.0	0.633 5274	5479.5		0.727 2984	4082.7		0.315 4842	1770.7	
1.5	0.640 0804	5442.1	15337	0.722 3737	4125.1	11456	0.313 3483	1789.1	4982
2.0	0.646 5883	5404.3		0.717 3982	4167.3		0.311 1904	1807.4	
2.5	0.653 0506	5366.1	15124	0.712 3722	4209.2	11688	0.309 0106	1825.5	5083
3.0	0.659 4669	5327.7		0.707 2962	4250.8		0.306 8091	1843.6	
3.5	0.665 8369	5288.9	14907	0.702 1704	4292.2	11916	0.304 5859	1861.6	5182
4.0	−0.672 1601	5249.7		+0.696 9951	4333.3		+0.302 3412	1879.5	
4.5	0.678 4360	5210.1	−14686	0.691 7706	4374.2	−12141	0.300 0752	1897.2	−5280
5.0	0.684 6642	5170.2		0.686 4972	4414.7		0.297 7880	1914.8	
5.5	0.690 8443	5129.9	14461	0.681 1754	4454.9	12363	0.295 4797	1932.3	5376
6.0	0.696 9759	5089.3		0.675 8054	4495.0		0.293 1504	1949.8	
6.5	0.703 0585	5048.3	14231	0.670 3874	4534.9	12581	0.290 8003	1967.1	5471
7.0	0.709 0917	5007.0		0.664 9218	4574.4		0.288 4294	1984.3	
7.5	0.715 0751	4965.2	13998	0.659 4090	4613.6	12796	0.286 0380	2001.3	5565
8.0	0.721 0081	4923.0		0.653 8492	4652.6		0.283 6263	2018.2	
8.5	0.726 8902	4880.5	13761	0.648 2428	4691.3	13007	0.281 1943	2035.1	5657
9.0	−0.732 7211	4837.6		+0.642 5901	4729.7		+0.278 7421	2051.8	
9.5	0.738 5003	4794.4	−13519	0.636 8916	4767.8	−13214	0.276 2700	2068.3	−5747
10.0	0.744 2274	4750.7		0.631 1475	4805.6		0.273 7781	2084.7	
10.5	0.749 9018	4706.6	13274	0.625 3583	4843.1	13417	0.271 2667	2101.0	5836
11.0	0.755 5231	4662.1		0.619 5243	4880.3		0.268 7358	2117.1	
11.5	0.761 0907	4617.2	13025	0.613 6458	4917.1	13617	0.266 1856	2133.2	5923
12.0	0.766 6043	4572.0		0.607 7234	4953.6		0.263 6162	2149.0	
12.5	0.772 0634	4526.5	12772	0.601 7574	4989.7	13813	0.261 0279	2164.7	6008
13.0	0.777 4677	4480.6		0.595 7483	5025.4		0.258 4210	2180.1	
13.5	0.782 8167	4434.3	12516	0.589 6966	5060.8	14005	0.255 7956	2195.5	6091
14.0	−0.788 1099	4387.6		+0.583 6025	5096.0		+0.253 1518	2210.8	
14.5	0.793 3468	4340.6	−12256	0.577 4664	5130.8	−14193	0.250 4898	2225.8	−6173

Mittleres Äquinoktium 1917.0

Mittlere Zeit Greenwich	*X*	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	*Y*	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	*Z*	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)
Aug. 14.5	−0.793 3468	4340.6	−12256	+0.577 4664	5130.8	−14193	+0.250 4898	2225.8	−6173
15.0	0.798 5271	4293.2		0.571 2888	5165.1		0.247 8099	2240.7	
15.5	0.803 6503	4245.4	11992	0.565 0703	5199.0	14377	0.245 1121	2255.5	6253
16.0	0.808 7160	4197.4		0.558 8112	5232.7		0.242 3966	2270.1	
16.5	0.813 7239	4149.0	11725	0.552 5119	5265.9	14557	0.239 6638	2284.5	6331
17.0	0.818 6734	4100.2		0.546 1731	5298.7		0.236 9139	2298.7	
17.5	0.823 5642	4051.1	11455	0.539 7952	5331.2	14733	0.234 1470	2312.7	6407
18.0	0.828 3960	4001.8		0.533 3785	5363.2		0.231 3634	2326.6	
18.5	0.833 1684	3952.1	11181	0.526 9235	5394.9	14905	0.228 5632	2340.3	6481
19.0	0.837 8809	3902.0		0.520 4308	5426.1		0.225 7466	2353.8	
19.5	−0.842 5332	3851.8	−10904	+0.513 9009	5457.0	−15072	+0.222 9140	2367.1	−6554
20.0	0.847 1250	3801.2		0.507 3343	5487.5		0.220 0656	2380.3	
20.5	0.851 6560	3750.3	10624	0.500 7312	5517.5	15235	0.217 2014	2393.4	6625
21.0	0.856 1257	3699.1		0.494 0924	5547.1		0.214 3215	2406.2	
21.5	0.860 5338	3647.7	10341	0.487 4183	5576.3	15393	0.211 4264	2418.8	6694
22.0	0.864 8800	3596.0		0.480 7094	5605.1		0.208 5163	2431.2	
22.5	0.869 1640	3544.0	10055	0.473 9662	5633.5	15547	0.205 5915	2443.5	6761
23.0	0.873 3855	3491.7		0.467 1892	5661.4		0.202 6520	2455.7	
23.5	0.877 5440	3439.2	9766	0.460 3790	5688.9	15697	0.199 6980	2467.6	6826
24.0	0.881 6394	3386.5		0.453 5360	5716.0		0.196 7298	2479.3	
24.5	−0.885 6714	3333.5	− 9474	+0.446 6608	5742.6	−15842	+0.193 7477	2490.8	−6889
25.0	0.889 6397	3280.3		0.439 7539	5768.9		0.190 7519	2502.2	
25.5	0.893 5440	3226.8	9180	0.432 8157	5794.7	15982	0.187 7426	2513.3	6950
26.0	0.897 3840	3173.2		0.425 8469	5820.0		0.184 7200	2524.3	
26.5	0.901 1595	3119.3	8883	0.418 8479	5845.0	16118	0.181 6843	2535.1	7010
27.0	0.904 8702	3065.2		0.411 8192	5869.4		0.178 6358	2545.7	
27.5	0.908 5160	3011.0	8583	0.404 7614	5893.5	16249	0.175 5747	2556.2	7067
28.0	0.912 0966	2956.6		0.397 6749	5917.2		0.172 5011	2566.4	
28.5	0.915 6118	2902.0	8281	0.390 5602	5940.5	16375	0.169 4153	2576.6	7122
29.0	0.919 0613	2847.1		0.383 4179	5963.3		0.166 3174	2586.5	
29.5	−0.922 4448	2792.1	− 7976	+0.376 2484	5985.8	−16497	+0.163 2078	2596.2	−7175
30.0	0.925 7623	2737.0		0.369 0522	6007.8		0.160 0866	2605.8	
30.5	0.929 0135	2681.6	7670	0.361 8299	6029.5	16614	0.156 9540	2615.2	7226
31.0	0.932 1981	2626.0		0.354 5817	6050.8		0.153 8102	2624.4	
31.5	0.935 3159	2570.3	7361	0.347 3082	6071.6	16726	0.150 6554	2633.5	7275
Sept. 1.0	0.938 3668	2514.5		0.340 0100	6092.0		0.147 4898	2642.5	
1.5	0.941 3506	2458.5	7051	0.332 6875	6112.1	16834	0.144 3136	2651.2	7321
2.0	0.944 2671	2402.3		0.325 3412	6131.7		0.141 1271	2659.7	
2.5	0.947 1160	2345.8	6738	0.317 9716	6151.0	16937	0.137 9304	2668.1	7366
3.0	0.949 8970	2289.1		0.310 5789	6170.0		0.134 7237	2676.3	
3.5	−0.952 6098	2232.3	− 6423	+0.303 1637	6188.5	−17035	+0.131 5073	2684.4	−7409
4.0	0.955 2544	2175.3		0.295 7266	6206.6		0.128 2812	2692.4	

Mittleres Äquinoktium 1917.0

Mittlere Zeit Greenwich	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
Sept. 4.0	−0.955 2544	2175.3		+0.295 7266	6206.6		+0.128 2812	2692.4	
4.5	0.957 8304	2118.1	−6106	0.288 2680	6224.3	−17128	0.125 0457	2700.1	−7449
5.0	0.960 3377	2060.8		0.280 7884	6241.6		0.121 8011	2707.6	
5.5	0.962 7761	2003.3	5788	0.273 2883	6258.5	17216	0.118 5476	2714.9	7487
6.0	0.965 1453	1945.4		0.265 7681	6275.0		0.115 2853	2722.1	
6.5	0.967 4449	1887.2	5468	0.258 2285	6291.0	17299	0.112 0145	2729.1	7523
7.0	0.969 6746	1828.9		0.250 6699	6306.6		0.108 7356	2735.9	
7.5	0.971 8343	1770.5	5146	0.243 0928	6321.8	17378	0.105 4486	2742.5	7557
8.0	0.973 9237	1711.9		0.235 4977	6336.5		0.102 1537	2748.9	
8.5	0.975 9427	1653.2	4823	0.227 8853	6350.8	17451	0.098 8513	2755.1	7589
9.0	−0.977 8912	1594.3		+0.220 2560	6364.7		+0.095 5416	2761.1	
9.5	0.979 7689	1535.2	−4499	0.212 6103	6378.1	−17519	0.092 2247	2766.9	−7619
10.0	0.981 5755	1475.8		0.204 9488	6391.0		0.088 9010	2772.5	
10.5	0.983 3108	1416.3	4173	0.197 2721	6403.4	17582	0.085 5708	2777.9	7646
11.0	0.984 9747	1356.7		0.189 5809	6415.2		0.082 2342	2783.1	
11.5	0.986 5670	1297.0	3846	0.181 8757	6426.7	17640	0.078 8915	2788.1	7672
12.0	0.988 0875	1237.1		0.174 1569	6437.8		0.075 5429	2792.8	
12.5	0.989 5359	1177.0	3518	0.166 4251	6448.4	17693	0.072 1888	2797.4	7695
13.0	0.990 9121	1116.7		0.158 6809	6458.5		0.068 8293	2801.8	
13.5	0.992 2160	1056.4	3189	0.150 9250	6468.0	17741	0.065 4647	2805.9	7716
14.0	−0.993 4475	996.0		+0.143 1580	6477.0		+0.062 0953	2809.7	
14.5	0.994 6064	935.5	−2858	0.135 3804	6485.7	−17783	0.058 7214	2813.4	−7734
15.0	0.995 6926	874.8		0.127 5926	6493.8		0.055 3431	2816.9	
15.5	0.996 7059	814.0	2526	0.119 7956	6501.3	17820	0.051 9609	2820.2	7750
16.0	0.997 6462	753.2		0.111 9898	6508.4		0.048 5748	2823.3	
16.5	0.998 5135	692.3	2194	0.104 1757	6515.1	17852	0.045 1852	2826.1	7764
17.0	0.999 3077	631.3		0.096 3539	6521.1		0.041 7923	2828.7	
17.5	1.000 0286	570.2	1861	0.088 5253	6526.6	17879	0.038 3964	2831.1	7776
18.0	1.000 6762	509.1		0.080 6902	6531.7		0.034 9977	2833.3	
18.5	1.001 2505	448.0	1528	0.072 8493	6536.3	17900	0.031 5965	2835.2	7785
19.0	−1.001 7513	386.7		+0.065 0032	6540.5		+0.028 1932	2837.0	
19.5	1.002 1785	325.4	−1195	0.057 1524	6544.1	−17916	0.024 7879	2838.5	−7792
20.0	1.002 5322	264.1		0.049 2977	6547.1		0.021 3810	2839.7	
20.5	1.002 8124	202.9	861	0.041 4397	6549.6	17927	0.017 9727	2840.8	7796
21.0	1.003 0191	141.5		0.033 5789	6551.6		0.014 5631	2841.8	
21.5	1.003 1521	80.1	527	0.025 7160	6553.2	17933	0.011 1525	2842.5	7799
22.0	1.003 2114	18.7		0.017 8515	6554.3		0.007 7413	2842.8	
22.5	1.003 1971	42.5	− 193	0.009 9860	6554.8	17934	0.004 3298	2843.0	7799
23.0	1.003 1093	103.8		+0.002 1201	6554.9		+0.000 9181	2843.0	
23.5	1.002 9479	165.2	+ 142	−0.005 7456	6554.5	17930	−0.002 4934	2842.8	7797
24.0	−1.002 7129	226.5		−0.013 6105	6553.5		−0.005 9046	2842.5	
24.5	1.002 4043	287.8	+ 476	0.021 4739	6552.1	−17920	0.009 3153	2841.9	−7792

Mittleres Äquinoktium 1917.0

Mittlere Zeit Greenwich	X	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	Y	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)	Z	Stündliche Änderung (Einheit: 7. Dez.)	Reduktion auf 1925.0 (Einheit: 7. Dez.)
Sept. 24.5	−1.002 4043	287.8	+ 476	−0.021 4739	6552.1	−17920	−0.009 3153	2841.9	−7792
25.0	1.002 0222	349.0		0.029 3354	6550.3		0.012 7251	2841.1	
25.5	1.001 5667	410.2	810	0.037 1944	6548.0	17905	0.016 1338	2840.1	7785
26.0	1.001 0378	471.3		0.045 0503	6545.1		0.019 5412	2838.9	
26.5	1.000 4357	532.3	1143	0.052 9024	6541.8	17884	0.022 9470	2837.4	7776
27.0	0.999 7604	593.3		0.060 7504	6538.1		0.026 3509	2835.8	
27.5	0.999 0118	654.4	1477	0.068 5937	6533.9	17858	0.029 7528	2834.0	7765
28.0	0.998 1900	715.3		0.076 4316	6529.2		0.033 1525	2832.1	
28.5	0.997 2952	776.1	1810	0.084 2636	6524.2	17827	0.036 5497	2829.9	7752
29.0	0.996 3275	836.8		0.092 0894	6518.7		0.039 9441	2827.5	
29.5	−0.995 2868	897.6	+2142	−0.099 9082	6512.6	−17791	−0.043 3356	2825.0	−7736
30.0	0.994 1732	958.4		0.107 7196	6506.2		0.046 7240	2822.3	
30.5	0.992 9866	1019.2	2474	0.115 5230	6499.4	17749	0.050 1089	2819.4	7719
Okt. 1.0	0.991 7272	1079.8		0.123 3179	6492.1		0.053 4902	2816.3	
1.5	0.990 3952	1140.3	2805	0.131 1038	6484.4	17703	0.056 8677	2812.9	7699
2.0	0.988 9904	1200.9		0.138 8802	6476.2		0.060 2410	2809.3	
2.5	0.987 5129	1261.5	3135	0.146 6465	6467.6	17651	0.063 6100	2805.6	7676
3.0	0.985 9629	1321.9		0.154 4023	6458.6		0.066 9744	2801.7	
3.5	0.984 3403	1382.4	3464	0.162 1470	6449.1	17594	0.070 3340	2797.6	7651
4.0	0.982 6451	1442.8		0.169 8799	6439.1		0.073 6886	2793.4	
4.5	−0.980 8775	1503.1	+3792	−0.177 6006	6428.7	−17531	−0.077 0380	2788.9	−7624
5.0	0.979 0376	1563.4		0.185 3085	6417.8		0.080 3818	2784.2	
5.5	0.977 1252	1623.8	4120	0.193 0031	6406.5	17463	0.083 7199	2779.2	7595
6.0	0.975 1404	1684.1		0.200 6838	6394.6		0.087 0519	2774.1	
6.5	0.973 0833	1744.3	4446	0.208 3500	6382.2	17391	0.090 3776	2768.7	7564
7.0	0.970 9541	1804.4		0.216 0010	6369.4		0.093 6967	2763.2	
7.5	0.968 7528	1864.4	4771	0.223 6363	6356.1	17314	0.097 0091	2757.5	7530
8.0	0.966 4796	1924.3		0.231 2554	6342.3		0.100 3145	2751.5	
8.5	0.964 1345	1984.2	5094	0.238 8577	6328.1	17231	0.103 6125	2745.2	7494
9.0	0.961 7176	2044.0		0.246 4426	6313.3		0.106 9029	2738.7	
9.5	−0.959 2290	2103.6	+5416	−0.254 0095	6298.0	−17143	−0.110 1854	2732.1	−7456
10.0	0.956 6689	2163.2		0.261 5577	6282.2		0.113 4599	2725.3	
10.5	0.954 0373	2222.6	5736	0.269 0867	6266.0	17050	0.116 7261	2718.3	7415
11.0	0.951 3344	2282.0		0.276 5960	6249.3		0.119 9837	2711.0	
11.5	0.948 5605	2341.2	6054	0.284 0849	6232.1	16952	0.123 2324	2703.5	7372
12.0	0.945 7156	2400.3		0.291 5528	6214.3		0.126 4719	2695.7	
12.5	0.942 7998	2459.3	6371	0.298 9990	6196.0	16848	0.129 7020	2687.8	7327
13.0	0.939 8134	2518.0		0.306 4231	6177.3		0.132 9225	2679.7	
13.5	0.936 7566	2576.6	6686	0.313 8244	6158.1	16739	0.136 1331	2671.3	7280
14.0	0.933 6296	2635.0		0.321 2024	6138.4		0.139 3335	2662.7	
14.5	−0.930 4326	2693.3	+6999	−0.328 5563	6118.2	−16626	−0.142 5234	2653.8	−7231
15.0	0.927 1657	2751.5		0.335 8857	6097.5		0.145 7026	2644.9	

Mittleres Äquinoktium 1917.0

Mittlere Zeit Greenwich	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
Okt. 15.0	—0.927 1657	2751.5		—0.335 8857	6097.5		—0.145 7026	2644.9	
15.5	0.923 8291	2809.4	+ 7309	0.343 1900	6076.3	—16508	0.148 8710	2635.7	—7180
16.0	0.920 4232	2867.1		0.350 4685	6054.6		0.152 0282	2626.2	
16.5	0.916 9482	2924.6	7618	0.357 7207	6032.4	16385	0.155 1738	2616.5	7126
17.0	0.913 4043	2981.9		0.364 9460	6009.7		0.158 3077	2606.6	
17.5	0.909 7918	3038.9	7925	0.372 1437	5986.5	16256	0.161 4297	2596.6	7070
18.0	0.906 1109	3095.8		0.379 3133	5962.7		0.164 5395	2586.4	
18.5	0.902 3619	3152.5	8229	0.386 4542	5938.7	16123	0.167 6368	2575.8	7012
19.0	0.898 5451	3208.8		0.393 5659	5914.0		0.170 7214	2565.1	
19.5	0.894 6608	3265.0	8530	0.400 6477	5888.9	15985	0.173 7930	2554.2	6952
20.0	—0.890 7093	3320.9		—0.407 6992	5863.4		—0.176 8514	2543.1	
20.5	0.886 6908	3376.6	+ 8829	0.414 7198	5837.4	—15843	0.179 8963	2531.9	—6890
21.0	0.882 6057	3431.9		0.421 7088	5810.9		0.182 9277	2520.5	
21.5	0.878 4544	3486.9	9126	0.428 6658	5784.0	15695	0.185 9453	2508.8	6825
22.0	0.874 2373	3541.6		0.435 5902	5756.6		0.188 9486	2496.8	
22.5	0.869 9546	3596.1	9419	0.442 4814	5728.8	15543	0.191 9375	2484.7	6759
23.0	0.865 6067	3650.3		0.449 3391	5700.6		0.194 9118	2472.5	
23.5	0.861 1940	3704.2	9709	0.456 1626	5671.9	15386	0.197 8714	2460.1	6691
24.0	0.856 7167	3757.9		0.462 9515	5642.9		0.200 8159	2447.5	
24.5	0.852 1751	3811.3	9997	0.469 7053	5613.4	15225	0.203 7453	2434.8	6621
25.0	—0.847 5697	3864.3		—0.476 4235	5583.5		—0.206 6593	2421.8	
25.5	0.842 9009	3917.0	+10282	0.483 1056	5553.2	—15059	0.209 5576	2408.7	—6549
26.0	0.838 1690	3969.5		0.489 7510	5522.5		0.212 4401	2395.4	
26.5	0.833 3743	4021.6	10563	0.496 3594	5491.4	14888	0.215 3064	2381.9	6475
27.0	0.828 5172	4073.5		0.502 9301	5459.8		0.218 1565	2368.3	
27.5	0.823 5981	4125.1	10841	0.509 4628	5428.0	14713	0.220 9902	2354.5	6399
28.0	0.818 6171	4176.4		0.515 9571	5395.8		0.223 8073	2340.6	
28.5	0.813 5748	4227.3	11116	0.522 4126	5363.3	14534	0.226 6076	2326.5	6321
29.0	0.808 4716	4278.0		0.528 8288	5330.3		0.229 3909	2312.3	
29.5	0.803 3076	4328.5	11388	0.535 2052	5296.9	14350	0.232 1570	2297.8	6241
30.0	—0.798 0832	4378.7		—0.541 5412	5263.0		—0.234 9056	2283.1	
30.5	0.792 7988	4428.5	+11656	0.547 8364	5228.9	—14162	0.237 6365	2268.3	—6159
31.0	0.787 4549	4478.0		0.554 0905	5194.5		0.240 3496	2253.5	
31.5	0.782 0517	4527.3	11921	0.560 3030	5159.6	13970	0.243 0448	2238.4	6075
Nov. 1.0	0.776 5894	4576.4		0.566 4735	5124.4		0.245 7217	2223.1	
1.5	0.771 0684	4625.2	12182	0.572 6014	5088.8	13773	0.248 3802	2207.6	5990
2.0	0.765 4891	4673.6		0.578 6863	5052.6		0.251 0200	2191.9	
2.5	0.759 8518	4721.7	12439	0.584 7276	5016.1	13573	0.253 6408	2176.1	5902
3.0	0.754 1570	4769.5		0.590 7249	4979.3		0.256 2426	2160.2	
3.5	0.748 4050	4817.1	12693	0.596 6778	4942.1	13368	0.258 8252	2144.1	5813
4.0	—0.742 5960	4864.3		—0.602 5859	4904.5		—0.261 3883	2127.7	
4.5	0.736 7304	4911.2	+12943	0.608 4485	4866.5	—13159	0.263 9317	2111.2	—5722

Mittleres Äquinoktium 1917.0

Mittlere Zeit Greenwich	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
Nov. 4.5	−0.736 7304	4911.2	+12943	−0.608 4485	4866.5	−13159	−0.263 9317	2111.2	−5722
5.0	0.730 8089	4957.8		0.614 2653	4828.1		0.266 4552	2094.6	
5.5	0.724 8318	5004.1	13189	0.620 0357	4789.3	12946	0.268 9586	2077.8	5630
6.0	0.718 7992	5050.1		0.625 7594	4750.1		0.271 4417	2060.7	
6.5	0.712 7117	5095.7	13431	0.631 4357	4710.4	12729	0.273 9041	2043.4	5536
7.0	0.706 5697	5140.9		0.637 0642	4670.4		0.276 3459	2026.1	
7.5	0.700 3736	5185.8	13669	0.642 6445	4630.0	12508	0.278 7667	2008.5	5440
8.0	0.694 1239	5230.3		0.648 1760	4589.2		0.281 1662	1990.7	
8.5	0.687 8210	5274.4	13902	0.653 6583	4547.9	12283	0.283 5443	1972.9	5342
9.0	0.681 4655	5318.1		0.659 0909	4506.4		0.285 9010	1954.9	
9.5	−0.675 0577	5361.5	+14132	−0.664 4735	4464.5	−12055	−0.288 2359	1936.6	−5243
10.0	0.668 5981	5404.5		0.669 8055	4422.1		0.290 5488	1918.2	
10.5	0.662 0870	5447.2	14357	0.675 0864	4379.4	11823	0.292 8395	1899.7	5142
11.0	0.655 5251	5489.3		0.680 3158	4336.3		0.295 1079	1880.9	
11.5	0.648 9128	5531.1	14578	0.685 4933	4292.8	11587	0.297 3537	1862.0	5040
12.0	0.642 2506	5572.4		0.690 6184	4248.9		0.299 5767	1842.9	
12.5	0.635 5391	5613.4	14794	0.695 6905	4204.6	11348	0.301 7767	1823.7	4936
13.0	0.628 7786	5654.0		0.700 7094	4160.0		0.303 9536	1804.4	
13.5	0.621 9697	5694.1	15006	0.705 6745	4115.0	11105	0.306 1071	1784.8	4830
14.0	0.615 1130	5733.7		0.710 5854	4069.8		0.308 2371	1765.1	
14.5	−0.608 2090	5772.9	+15213	−0.715 4418	4024.2	−10859	−0.310 3434	1745.4	−4723
15.0	0.601 2583	5811.6		0.720 2433	3978.2		0.312 4259	1725.4	
15.5	0.594 2614	5849.8	15416	0.724 9893	3931.8	10609	0.314 4843	1705.2	4614
16.0	0.587 2190	5887.5		0.729 6795	3885.1		0.316 5184	1685.0	
16.5	0.580 1315	5924.9	15614	0.734 3135	3838.1	10357	0.318 5282	1664.6	4504
17.0	0.572 9995	5961.7		0.738 8908	3790.7		0.320 5134	1644.0	
17.5	0.565 8236	5998.1	15807	0.743 4111	3743.0	10101	0.322 4738	1623.3	4393
18.0	0.558 6043	6034.0		0.747 8739	3695.1		0.324 4094	1602.6	
18.5	0.551 3423	6069.3	15996	0.752 2791	3647.0	9842	0.326 3200	1581.7	4280
19.0	0.544 0381	6104.2		0.756 6265	3598.5		0.328 2054	1560.6	
19.5	−0.536 6924	6138.6	+16179	−0.760 9154	3549.6	− 9580	−0.330 0654	1539.4	−4166
20.0	0.529 3057	6172.5		0.765 1455	3500.5		0.331 8999	1518.1	
20.5	0.521 8787	6205.8	16357	0.769 3165	3451.2	9315	0.333 7089	1496.8	4051
21.0	0.514 4119	6238.7		0.773 4282	3401.6		0.335 4923	1475.4	
21.5	0.506 9060	6271.1	16530	0.777 4803	3351.8	9047	0.337 2498	1453.8	3934
22.0	0.499 3615	6303.0		0.781 4725	3301.7		0.338 9814	1432.1	
22.5	0.491 7791	6334.4	16699	0.785 4044	3251.4	8776	0.340 6868	1410.3	3817
23.0	0.484 1593	6365.3		0.789 2759	3201.0		0.342 3660	1388.4	
23.5	0.476 5027	6395.7	16862	0.793 0866	3150.2	8503	0.344 0189	1366.4	3698
24.0	0.468 8099	6425.6		0.796 8363	3099.2		0.345 6454	1344.4	
24.5	−0.461 0815	6455.1	+17020	−0.800 5246	3047.9	− 8227	−0.347 2454	1322.2	−3578
25.0	0.453 3179	6484.1		0.804 1512	2996.4		0.348 8187	1299.9	

Mittleres Äquinoktium 1917.0

Mittlere Zeit Greenwich	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
Nov. 25.0	−0.453 3179	6484.1		−0.804 1512	2996.4		−0.348 8187	1299.9	
25.5	0.445 5199	6512.6	+17172	0.807 7161	2944.9	−7949	0.350 3652	1277.6	−3457
26.0	0.437 6880	6540.6		0.811 2190	2893.2		0.351 8848	1255.1	
26.5	0.429 8227	6568.1	17319	0.814 6597	2841.2	7668	0.353 3775	1232.6	3335
27.0	0.421 9247	6595.1		0.818 0378	2789.0		0.354 8431	1210.0	
27.5	0.413 9946	6621.7	17461	0.821 3532	2736.7	7385	0.356 2815	1187.3	3212
28.0	0.406 0328	6647.9		0.824 6057	2684.1		0.357 6926	1164.5	
28.5	0.398 0399	6673.6	17597	0.827 7950	2631.3	7100	0.359 0763	1141.6	3088
29.0	0.390 0163	6698.9		0.830 9208	2578.2		0.360 4325	1118.7	
29.5	0.381 9627	6723.7	17728	0.833 9827	2524.9	6812	0.361 7611	1095.6	2963
30.0	−0.373 8797	6747.8		−0.836 9806	2471.6		−0.363 0620	1072.4	
30.5	0.365 7680	6771.6	+17854	0.839 9144	2418.0	−6523	0.364 3349	1049.1	−2837
Dez. 1.0	0.357 6280	6794.9		0.842 7838	2364.2		0.365 5799	1025.8	
1.5	0.349 4604	6817.8	17974	0.845 5884	2310.1	6231	0.366 7967	1002.3	2710
2.0	0.341 2655	6840.2		0.848 3280	2255.9		0.367 9854	978.8	
2.5	0.333 0440	6862.1	18089	0.851 0024	2201.4	5937	0.369 1458	955.2	2582
3.0	0.324 7967	6883.4		0.853 6114	2146.9		0.370 2778	931.5	
3.5	0.316 5241	6904.3	18198	0.856 1548	2092.1	5642	0.371 3814	907.7	2454
4.0	0.308 2267	6924.7		0.858 6323	2037.0		0.372 4563	883.8	
4.5	0.299 9051	6944.6	18302	0.861 0435	1981.7	5345	0.373 5024	859.8	2325
5.0	−0.291 5600	6963.9		−0.863 3883	1926.3		−0.374 5197	835.7	
5.5	0.283 1921	6982.6	+18400	0.865 6666	1870.8	−5046	0.375 5081	811.6	−2195
6.0	0.274 8020	7000.8		0.867 8781	1815.0		0.376 4675	787.3	
6.5	0.266 3904	7018.5	18492	0.870 0225	1759.0	4746	0.377 3977	763.0	2064
7.0	0.257 9577	7035.8		0.872 0996	1702.8		0.378 2987	738.6	
7.5	0.249 5046	7052.5	18578	0.874 1092	1646.5	4444	0.379 1704	714.2	1933
8.0	0.241 0318	7068.6		0.876 0512	1590.1		0.380 0128	689.7	
8.5	0.232 5401	7084.2	18659	0.877 9253	1533.5	4141	0.380 8257	665.1	1801
9.0	0.224 0299	7099.3		0.879 7314	1476.7		0.381 6090	640.4	
9.5	0.215 5020	7113.8	18734	0.881 4693	1419.7	3836	0.382 3627	615.7	1669
10.0	−0.206 9571	7127.7		−0.883 1387	1362.6		−0.383 0867	590.9	
10.5	0.198 3958	7141.0	+18803	0.884 7395	1305.3	−3530	0.383 7809	566.1	−1536
11.0	0.189 8188	7153.8		0.886 2715	1247.9		0.384 4453	541.1	
11.5	0.181 2268	7166.1	18866	0.887 7345	1190.4	3223	0.385 0796	516.1	1402
12.0	0.172 6205	7177.7		0.889 1284	1132.8		0.385 6840	491.2	
12.5	0.164 0006	7188.8	18924	0.890 4531	1075.0	2915	0.386 2584	466.1	1268
13.0	0.155 3677	7199.3		0.891 7084	1017.1		0.386 8026	440.9	
13.5	0.146 7226	7209.1	18976	0.892 8942	959.2	2606	0.387 3166	415.8	1134
14.0	0.138 0661	7218.3		0.894 0104	901.2		0.387 8004	390.5	
14.5	0.129 3989	7226.9	19021	0.895 0569	843.1	2296	0.388 2539	365.3	999
15.0	−0.120 7217	7235.0		−0.896 0336	784.8		−0.388 6771	340.0	
15.5	0.112 0351	7242.5	+19061	0.896 9403	726.4	−1986	0.389 0700	314.8	− 864

Mittleres Äquinoktium 1917.0

Mittlere Zeit Greenwich	X	Stündliche Änderung	Reduktion auf 1925.0	Y	Stündliche Änderung	Reduktion auf 1925.0	Z	Stündliche Änderung	Reduktion auf 1925.0
		Einheit: 7. Dez.			Einheit: 7. Dez.			Einheit: 7. Dez.	
Dez. 15.5	−0.112 0351	7242.5	+19061	−0.896 9403	726.4	−1986	−0.389 0700	314.8	− 864
16.0	0.103 3399	7249.4		0.897 7769	667.9		0.389 4326	289.5	
16.5	0.094 6368	7255.6	19095	0.898 5433	609.5	1675	0.389 7647	264.1	729
17.0	0.085 9266	7261.3		0.899 2396	551.0		0.390 0664	238.8	
17.5	0.077 2100	7266.3	19122	0.899 8657	492.5	1363	0.390 3378	213.5	593
18.0	0.068 4877	7270.7		0.900 4217	434.1		0.390 5787	188.1	
18.5	0.059 7605	7274.5	19144	0.900 9075	375.6	1051	0.390 7892	162.7	457
19.0	0.051 0290	7277.8		0.901 3231	317.0		0.390 9692	137.3	
19.5	0.042 2939	7280.6	19160	0.901 6684	258.5	739	0.391 1188	112.0	321
20.0	0.033 5559	7282.7		0.901 9435	200.0		0.391 2380	86.7	
20.5	−0.024 8157	7284.2	+19170	−0.902 1484	141.5	− 427	−0.391 3268	61.4	− 185
21.0	0.016 0741	7285.2		0.902 2832	83.1		0.391 3853	36.1	
21.5	−0.007 3317	7285.6	19174	0.902 3479	24.7	− 114	0.391 4134	10.8	− 50
22.0	+0.001 4110	7285.4		0.902 3425	33.7		0.391 4111	14.5	
22.5	0.010 1531	7284.7	19172	0.902 2669	92.0	+ 199	0.391 3785	39.8	+ 86
23.0	0.018 8940	7283.5		0.902 1214	150.3		0.391 3155	65.1	
23.5	0.027 6330	7281.6	19164	0.901 9061	208.6	511	0.391 2222	90.4	222
24.0	0.036 3696	7279.3		0.901 6208	266.9		0.391 0986	115.6	
24.5	0.045 1031	7276.4	19150	0.901 2656	325.1	823	0.390 9448	140.8	358
25.0	0.053 8327	7272.9		0.900 8405	383.3		0.390 7606	166.0	
25.5	+0.062 5579	7269.0	+19130	−0.900 3456	441.4	+1135	−0.390 5463	191.2	+ 493
26.0	0.071 2781	7264.5		0.899 7810	499.5		0.390 3017	216.4	
26.5	0.079 9925	7259.5	19104	0.899 1468	557.5	1447	0.390 0270	241.5	629
27.0	0.088 7006	7254.0		0.898 4430	615.5		0.389 7220	266.7	
27.5	0.097 4018	7248.0	19072	0.897 6696	673.4	1758	0.389 3869	291.8	765
28.0	0.106 0955	7241.4		0.896 8269	731.2		0.389 0216	317.0	
28.5	0.114 7810	7234.3	19034	0.895 9148	789.0	2069	0.388 6262	342.0	900
29.0	0.123 4576	7226.6		0.894 9334	846.8		0.388 2008	367.0	
29.5	0.132 1247	7218.4	18991	0.893 8826	904.6	2379	0.387 7454	392.0	1035
30.0	0.140 7816	7209.8		0.892 7624	962.3		0.387 2599	417.0	
30.5	+0.149 4279	7200.6	+18942	−0.891 5731	1019.8	+2688	−0.386 7444	442.0	+1169
31.0	0.158 0628	7190.8		0.890 3150	1077.3		0.386 1989	467.1	
31.5	0.166 6856	7180.5	18887	0.888 9878	1134.8	2997	0.385 6234	492.1	1303
32.0	0.175 2958	7169.7		0.887 5915	1192.3		0.385 0178	517.0	

Frühlingsäquinoktium . .	März	20	17^h
Sommersolstitium . . .	Juni	21	12
Herbstäquinoktium . . .	Sept.	23	3
Wintersolstitium . . .	Dez.	21	22

Perigäum	Jan.	2	23^h
Apogäum	Juli	3	7

Mittlere Zeit Greenwich	Aberration	Parallaxe	Mittlere Zeit Greenwich	Mittlere Länge $L_{\odot}$	Mittlere Anomalie $M_{\odot}$
Jan. − 5.0	20.″82	8.″95	Jan. − 4.5	275.°1455	353.°64
+ 5.0	20.82	8.95	+ 5.5	285.0020	3.49
15.0	20.81	8.95	15.5	294.8585	13.35
25.0	20.79	8.94	25.5	304.7149	23.20
Febr. 4.0	20.76	8.93	Febr. 4.5	314.5714	33.06
14.0	20.72	8.91	14.5	324.4279	42.91
24.0	20.68	8.89	24.5	334.2844	52.77
März 6.0	20.63	8.87	März 6.5	344.1408	62.63
16.0	20.57	8.84	16.5	353.9973	72.48
26.0	20.51	8.82	26.5	3.8538	82.34
April 5.0	20.45	8.79	April 5.5	13.7103	92.19
15.0	20.40	8.77	15.5	23.5667	102.05
25.0	20.34	8.74	25.5	33.4232	111.91
Mai 5.0	20.29	8.72	Mai 5.5	43.2797	121.76
15.0	20.24	8.70	15.5	53.1361	131.62
25.0	20.20	8.69	25.5	62.9926	141.47
Juni 4.0	20.17	8.67	Juni 4.5	72.8491	151.33
14.0	20.15	8.66	14.5	82.7056	161.19
24.0	20.14	8.66	24.5	92.5620	171.04
Juli 4.0	20.13	8.66	Juli 4.5	102.4185	180.90
14.0	20.14	8.66	14.5	112.2750	190.75
24.0	20.15	8.66	24.5	122.1315	200.61
Aug. 3.0	20.18	8.67	Aug. 3.5	131.9879	210.47
13.0	20.21	8.69	13.5	141.8444	220.32
23.0	20.25	8.70	23.5	151.7009	230.18
Sept. 2.0	20.29	8.72	Sept. 2.5	161.5574	240.03
12.0	20.34	8.75	12.5	171.4138	249.89
22.0	20.40	8.77	22.5	181.2703	259.75
Okt. 2.0	20.46	8.80	Okt. 2.5	191.1268	269.60
12.0	20.52	8.82	12.5	200.9832	279.46
22.0	20.58	8.85	22.5	210.8397	289.31
Nov. 1.0	20.63	8.87	Nov. 1.5	220.6962	299.17
11.0	20.68	8.89	11.5	230.5527	309.03
21.0	20.73	8.91	21.5	240.4091	318.88
Dez. 1.0	20.76	8.93	Dez. 1.5	250.2656	328.74
11.0	20.79	8.94	11.5	260.1221	338.59
21.0	20.81	8.95	21.5	269.9786	348.45
31.0	20.82	8.95	31.5	279.8351	358.31

Phasen des Mondes

			h	m				h	m
Jan.	0	Erstes Viertel	0	7.2	Juli	4	Vollmond	9	40.5
	7	Vollmond	19	42.0		11	Letztes Viertel	0	11.9
	15	Letztes Viertel	23	42.1		18	Neumond	15	0.1
	22	Neumond	19	40.0		26	Erstes Viertel	18	40.4
	29	Erstes Viertel	13	1.5	Aug.	2	Vollmond	17	10.9
Febr.	6	Vollmond	15	28.4		9	Letztes Viertel	7	56.4
	14	Letztes Viertel	13	53.2		17	Neumond	6	21.0
	21	Neumond	6	9.0		25	Erstes Viertel	7	8.2
	28	Erstes Viertel	4	43.7	Sept.	1	Vollmond	0	28.5
März	8	Vollmond	9	58.0		7	Letztes Viertel	19	5.2
	16	Letztes Viertel	0	33.1		15	Neumond	22	27.5
	22	Neumond	16	5.0		23	Erstes Viertel	17	41.4
	29	Erstes Viertel	22	36.4		30	Vollmond	8	31.1
April	7	Vollmond	1	48.8	Okt.	7	Letztes Viertel	10	14.3
	14	Letztes Viertel	8	12.0		15	Neumond	14	41.0
	21	Neumond	2	1.3		23	Erstes Viertel	2	37.7
	28	Erstes Viertel	17	22.0		29	Vollmond	18	19.2
Mai	6	Vollmond	14	43.3	Nov.	6	Letztes Viertel	5	3.5
	13	Letztes Viertel	13	47.9		14	Neumond	6	28.5
	20	Neumond	12	46.8		21	Erstes Viertel	10	28.8
	28	Erstes Viertel	11	33.5		28	Vollmond	6	41.3
Juni	5	Vollmond	1	6.7	Dez.	6	Letztes Viertel	2	13.8
	11	Letztes Viertel	18	38.5		13	Neumond	21	17.3
	19	Neumond	1	2.2		20	Erstes Viertel	18	7.3
	27	Erstes Viertel	4	8.4		27	Vollmond	21	51.6

Mond im Apogäum

		h
Jan.	9	20.4
Febr.	5	20.7
März	5	2.9
April	1	19.2
April	29	14.2
Mai	27	9.4
Juni	24	3.1
Juli	21	17.6
Aug.	18	0.5
Sept.	14	2.7
Okt.	11	12.5
Nov.	8	5.4
Dez.	6	2.3

Mond im Perigäum

		h
Jan.	23	0.6
Febr.	20	13.3
März	20	21.2
April	17	15.2
Mai	13	6.6
Juni	8	8.2
Juli	6	3.6
Aug.	3	9.9
Aug.	31	19.9
Sept.	29	6.1
Okt.	27	10.8
Nov.	23	18.5
Dez.	18	10.2

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log sin $p_☾$		Halbmesser		Länge	Breite
	h m s	m s	° ′	° ′			′ ″	″	°	°
Jan. 0.5	0 51 24	50 20	+11 14.4	4 54.3	8.22374	549	15 42.5	11.9	16.191	+5.279
1.5	1 41 44	51 27	16 8.7	4 3.2	8.21825	496	15 30.6	10.6	29.415	5.218
2.5	2 33 11	52 46	20 11.9	3 1.4	8.21329	434	15 20.0	9.1	42.331	4.893
3.5	3 25 57	53 50	23 13.3	1 51.8	8.20895	369	15 10.9	7.7	54.979	4.334
4.5	4 19 47	54 11	25 5.1	0 37.4	8.20526	307	15 3.2	6.4	67.400	3.579
5.5	5 13 58	53 35	25 42.5	0 37.0	8.20219	247	14 56.8	5.1	79.632	2.671
6.5	6 7 33	52 6	+25 5.5	1 46.5	8.19972	188	14 51.7	3.8	91.710	+1.653
7.5	6 59 39	49 59	23 19.0	2 47.5	8.19784	128	14 47.9	2.6	103.669	+0.571
8.5	7 49 38	47 42	20 31.5	3 37.8	8.19656	62	14 45.3	1.3	115.539	−0.527
9.5	8 37 20	45 39	16 53.7	4 16.7	8.19594	12	14 44.0	0.2	127.354	1.598
10.5	9 22 59	44 6	12 37.0	4 45.0	8.19606	98	14 44.2	2.0	139.151	2.599
11.5	10 7 5	43 16	7 52.0	5 3.1	8.19704	195	14 46.2	4.0	150.973	3.491
12.5	10 50 21	43 17	+ 2 48.9	5 11.9	8.19899	302	14 50.2	6.2	162.869	−4.238
13.5	11 33 38	44 16	− 2 23.0	5 11.3	8.20201	414	14 56.4	8.6	174.896	4.807
14.5	12 17 54	46 16	7 34.3	4 59.9	8.20615	523	15 5.0	11.0	187.118	5.169
15.5	13 4 10	49 17	12 34.2	4 35.7	8.21138	621	15 16.0	13.2	199.601	5.298
16.5	13 53 27	53 12	17 9.9	3 55.2	8.21759	693	15 29.2	14.9	212.413	5.171
17.5	14 46 39	57 37	21 5.1	2 54.7	8.22452	723	15 44.1	15.9	225.615	4.773
18.5	15 44 16	61 45	−23 59.8	1 32.8	8.23175	699	16 0.0	15.6	239.252	−4.097
19.5	16 46 1	64 32	25 32.6	0 7.3	8.23874	610	16 15.6	13.8	253.342	3.157
20.5	17 50 33	65 9	25 25.3	1 55.6	8.24484	455	16 29.4	10.4	267.864	1.988
21.5	18 55 42	63 36	23 29.7	3 37.6	8.24939	245	16 39.8	5.6	282.752	−0.658
22.5	19 59 18	60 39	19 52.1	4 59.5	8.25184	5	16 45.4	0.2	297.892	+0.739
23.5	20 59 57	57 20	14 52.6	5 53.9	8.25189	233	16 45.6	5.4	313.135	2.092
24.5	21 57 17	54 31	− 8 58.7	6 19.1	8.24956	440	16 40.2	10.1	328.312	+3.289
25.5	22 51 48	52 35	− 2 39.6	6 18.2	8.24516	591	16 30.1	13.4	343.265	4.242
26.5	23 44 23	51 39	+ 3 38.6	5 55.6	8.23925	676	16 16.7	15.1	357.869	4.895
27.5	0 36 2	51 36	9 34.2	5 16.1	8.23249	701	16 1.6	15.4	12.045	5.225
28.5	1 27 38	52 13	14 50.3	4 23.2	8.22548	672	15 46.2	14.5	25.763	5.243
29.5	2 19 51	53 6	19 13.5	3 20.2	8.21876	607	15 31.7	12.9	39.002	4.977
30.5	3 12 57	53 51	+22 33.7	2 9.8	8.21269	520	15 18.8	11.0	51.906	+4.466
31.5	4 6 48	54 6	24 43.5	0 55.5	8.20749	421	15 7.8	8.7	64.435	3.752
Febr. 1.5	5 0 54	53 33	25 39.0	0 18.6	8.20328	322	14 59.1	6.7	76.691	2.880
2.5	5 54 27	52 13	25 20.4	1 28.9	8.20006	227	14 52.4	4.6	88.745	1.895
3.5	6 46 40	50 19	23 51.5	2 31.6	8.19779	140	14 47.8	2.9	100.659	+0.838
4.5	7 36 59	48 12	21 19.9	3 24.8	8.19639	62	14 44.9	1.2	112.492	−0.246
5.5	8 25 11	46 11	+17 55.1	4 7.1	8.19577	10	14 43.7	0.2	124.290	−1.314
6.5	9 11 22	44 35	13 48.0	4 38.7	8.19587	77	14 43.9	1.5	136.095	2.324
7.5	9 55 57	43 36	9 9.3	4 59.7	8.19664	143	14 45.4	3.0	147.941	3.236
8.5	10 39 33	43 20	+ 4 9.6	5 10.6	8.19807	214	14 48.4	4.3	159.859	4.010
9.5	11 22 53	43 54	− 1 1.0	5 11.3	8.20021	289	14 52.7	6.0	171.878	4.614
10.5	12 6 47		6 12.3		8.20310		14 58.7		184.014	5.016

	Obere Kulmination im Nullmeridian							0h Länge, +50° Breite			
Tag	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
	h m s	s	° '	'	'	h m	m	h m	m	h m	m
Jan. 0	0 37 48	129	+ 9 54.0	+14.0	57.7	5 59.6	1.98	23 26	0.8	13 9	3.2
1	1 29 36	131	+15 8.8	+12.1	57.0	6 47.4	2.01	23 49	1.0	14 25	3.1
2	2 22 32	134	+19 31.7	+ 9.7	56.3	7 36.2	2.06	—	—	15 39	3.0
3	3 16 54	138	+22 50.7	+ 6.8	55.7	8 26.5	2.13	0 16	1.2	16 49	2.8
4	4 12 32	140	+24 56.2	+ 3.6	55.2	9 18.1	2.16	0 50	1.6	17 52	2.4
5	5 8 41	140	+25 42.3	+ 0.2	54.8	10 10.1	2.16	1 34	2.0	18 46	2.0
6	6 4 16	137	+25 8.4	− 3.0	54.5	11 1.6	2.12	2 27	2.4	19 30	1.6
7	6 58 14	132	+23 19.8	− 6.0	54.2	11 51.5	2.03	3 27	2.6	20 5	1.3
8	7 52 2	126	+20 26.2	− 8.4	54.0	12 39.0	1.93	4 32	2.8	20 32	1.0
9	8 41 7	120	+16 39.7	−10.4	54.0	13 24.1	1.83	5 40	2.8	20 53	0.8
10	9 27 58	115	+12 12.8	−11.8	54.0	14 6.9	1.74	6 48	2.8	21 11	0.7
11	10 13 11	112	+ 7 17.4	−12.8	54.1	14 48.0	1.69	7 55	2.8	21 27	0.6
12	10 57 37	111	+ 2 4.1	−13.3	54.4	15 28.4	1.68	9 2	2.8	21 41	0.6
13	11 42 13	113	− 3 17.2	−13.4	54.8	16 9.0	1.71	10 9	2.8	21 56	0.6
14	12 28 6	117	− 8 36.1	−13.1	55.4	16 50.8	1.78	11 18	2.9	22 12	0.7
15	13 16 24	125	−13 41.1	−12.2	56.1	17 35.0	1.91	12 29	3.0	22 31	0.9
16	14 8 19	135	−18 17.2	−10.7	57.0	18 22.8	2.08	13 42	3.1	22 54	1.1
17	15 4 47	147	−22 5.3	− 8.2	57.9	19 15.1	2.28	14 59	3.2	23 24	1.5
18	16 6 12	159	−24 41.8	− 4.7	59.0	20 12.4	2.48	16 15	3.1	—	—
19	17 11 53	168	−25 42.4	− 0.2	59.9	21 13.9	2.63	17 25	2.7	0 6	2.1
20	18 19 50	170	−24 48.9	+ 4.7	60.7	22 17.7	2.67	18 24	2.2	1 3	2.7
21	19 27 21	166	−21 58.5	+ 9.4	61.3	23 21.1	2.60	19 10	1.7	2 15	3.3
22	—	—	—	—	—	—	—	19 45	1.3	3 40	3.7
23	20 29 45	158	−17 26.4	+13.1	61.4	0 21.9	2.46	20 12	1.0	5 10	3.8
24	21 30 58	148	−11 41.1	+15.5	61.3	1 19.0	2.30	20 34	0.8	6 40	3.7
25	22 28 42	141	− 5 15.5	+16.5	60.7	2 12.6	2.17	20 53	0.8	8 7	3.5
26	23 23 50	136	+ 1 19.3	+16.3	60.0	3 3.6	2.08	21 12	0.8	9 30	3.4
27	0 17 30	133	+ 7 37.6	+15.1	59.0	3 53.2	2.05	21 31	0.8	10 51	3.3
28	1 10 48	134	+13 19.3	+13.2	58.1	4 42.4	2.06	21 53	1.0	12 10	3.3
29	2 4 34	136	+18 8.5	+10.8	57.1	5 32.1	2.09	22 19	1.2	13 27	3.1
30	2 59 17	138	+21 52.9	+ 7.9	56.3	6 22.8	2.13	22 52	1.5	14 40	2.9
31	3 54 56	140	+24 23.6	+ 4.7	55.5	7 14.4	2.16	23 32	1.8	15 46	2.6
Febr. 1	4 50 59	140	+25 35.1	+ 1.3	55.0	8 6.3	2.16	—	—	16 43	2.2
2	5 46 35	138	+25 26.7	− 2.0	54.5	8 57.8	2.12	0 21	2.2	17 30	1.7
3	6 40 50	133	+24 2.4	− 5.0	54.2	9 48.0	2.05	1 19	2.6	18 7	1.4
4	7 33 1	128	+21 30.3	− 7.6	54.0	10 36.1	1.95	2 23	2.7	18 36	1.1
5	8 22 52	122	+18 1.2	− 9.7	54.0	11 21.8	1.86	3 30	2.8	18 59	0.9
6	9 10 30	117	+13 47.0	−11.4	54.0	12 5.4	1.78	4 38	2.8	19 18	0.7
7	9 58 25	113	+ 8 59.8	−12.5	54.1	12 47.2	1.71	5 46	2.8	19 34	0.6
8	10 43 13	111	+ 3 50.8	−13.2	54.3	13 27.9	1.69	6 53	2.8	19 49	0.6
9	11 27 48	112	− 1 28.9	−13.4	54.5	14 8.4	1.70	8 0	2.8	20 4	0.6
10	12 13 5	115	− 6 48.5	−13.2	54.9	14 49.6	1.74	9 8	2.8	20 20	0.7

Mittlere Zeit Greenwich	Scheinbare Rektaszension	Diff.	Scheinbare Deklination	Diff.	log sin $p_{☾}$	Diff.	Halbmesser	Diff.	Länge	Breite
	h m s	m s	° ′	° ′			′ ″	″	°	°
Febr. 10.5	12 6 47	45 21	− 6 12.3	5 1.1	8.20310	368	14 58.7	7.7	184.014	−5.016
11.5	12 52 8	47 42	11 13.4	4 38.9	8.20678	451	15 6.4	9.4	196.354	5.193
12.5	13 39 50	50 51	15 52.3	4 2.6	8.21129	530	15 15.8	11.3	208.888	5.128
13.5	14 30 41	54 33	19 54.9	3 9.8	8.21659	597	15 27.1	12.8	221.682	4.809
14.5	15 25 14	58 20	23 4.7	1 59.1	8.22256	641	15 39.9	14.0	234.784	4.235
15.5	16 23 34	61 22	25 3.8	0 31.5	8.22897	646	15 53.9	14.3	248.242	3.416
16.5	17 24 56	62 57	−25 35.3	1 7.6	8.23543	602	16 8.2	13.5	262.091	−2.377
17.5	18 27 53	62 44	24 27.7	2 48.0	8.24145	498	16 21.7	11.3	276.343	−1.164
18.5	19 30 37	61 3	21 39.7	4 18.2	8.24643	335	16 33.0	7.7	290.977	+0.155
19.5	20 31 40	58 36	17 21.5	5 28.0	8.24978	127	16 40.7	2.9	305.924	1.488
20.5	21 30 16	56 14	11 53.5	6 11.5	8.25105	107	16 43.6	2.5	321.070	2.731
21.5	22 26 30	54 28	− 5 42.0	6 27.2	8.24998	331	16 41.1	7.5	336.262	3.783
22.5	23 20 58	53 29	+ 0 45.2	6 16.7	8.24667	518	16 33.6	11.8	351.329	+4.561
23.5	0 14 27	53 19	7 1.9	5 43.9	8.24149	650	16 21.8	14.6	6.112	5.016
24.5	1 7 46	53 45	12 45.8	4 53.0	8.23499	714	16 7.2	15.8	20.489	5.140
25.5	2 1 31	54 26	17 38.8	3 48.6	8.22785	718	15 51.4	15.6	34.392	4.952
26.5	2 55 57	55 0	21 27.4	2 35.7	8.22067	670	15 35.8	14.3	47.804	4.494
27.5	3 50 57	55 1	24 3.1	1 18.5	8.21397	583	15 21.5	12.3	60.756	3.818
28.5	4 45 58	54 18	+25 21.6	0 1.9	8.20814	474	15 9.2	9.9	73.308	+2.976
März 1.5	5 40 16	52 50	25 23.5	1 10.2	8.20340	353	14 59.3	7.3	85.541	2.017
2.5	6 33 6	50 50	24 13.3	2 14.7	8.19987	232	14 52.0	4.7	97.541	+0.987
3.5	7 23 56	48 39	21 58.6	3 9.8	8.19755	116	14 47.3	2.4	109.394	−0.072
4.5	8 12 35	46 39	18 48.8	3 54.7	8.19639	12	14 44.9	0.2	121.177	1.119
5.5	8 59 14	45 1	14 54.1	4 29.5	8.19627	76	14 44.7	1.5	132.960	2.116
6.5	9 44 15	43 59	+10 24.6	4 54.1	8.19703	150	14 46.2	3.1	144.798	−3.024
7.5	10 28 14	43 40	5 30.5	5 8.6	8.19853	213	14 49.3	4.4	156.734	3.804
8.5	11 11 54	44 6	+ 0 21.9	5 12.6	8.20066	264	14 53.7	5.4	168.799	4.420
9.5	11 56 0	45 20	− 4 50.7	5 5.1	8.20330	309	14 59.1	6.4	181.014	4.842
10.5	12 41 20	47 22	9 55.8	4 45.1	8.20639	352	15 5.5	7.4	193.392	5.042
11.5	13 28 42	50 7	14 40.9	4 11.0	8.20991	393	15 12.9	8.3	205.945	5.003
12.5	14 18 49	53 18	−18 51.9	3 21.2	8.21384	432	15 21.2	9.2	218.684	−4.717
13.5	15 12 7	56 31	22 13.1	2 15.3	8.21816	468	15 30.4	10.1	231.627	4.186
14.5	16 8 38	59 12	24 28.4	0 54.5	8.22284	494	15 40.5	10.7	244.798	3.426
15.5	17 7 50	60 41	25 22.9	0 36.4	8.22778	498	15 51.2	11.0	258.224	2.463
16.5	18 8 31	60 45	24 46.5	2 10.0	8.23276	476	16 2.2	10.6	271.935	1.339
17.5	19 9 16	59 34	22 36.5	3 37.7	8.23752	413	16 12.8	9.3	285.951	−0.111
18.5	20 8 50	57 41	−18 58.8	4 51.1	8.24165	306	16 22.1	7.0	300.273	+1.148
19.5	21 6 31	55 47	14 7.7	5 44.5	8.24471	157	16 29.1	3.5	314.872	2.355
20.5	22 2 18	54 21	8 23.2	6 14.5	8.24628	23	16 32.6	0.5	329.679	3.418
21.5	22 56 39	53 40	− 2 8.7	6 19.6	8.24605	215	16 32.1	4.9	344.585	4.254
22.5	23 50 19	53 46	+ 4 10.9	6 0.7	8.24390	394	16 27.2	8.9	359.448	4.798
23.5	0 44 5		10 11.6		8.23996		16 18.3		14.122	5.017

Tag	Obere Kulmination im Nullmeridian: AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	0h Länge, + 50° Breite: Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
	h m s	s	° ′	′	″	h m	m	h m	m	h m	m
Febr. 10	12 13 5	115	− 6 48.5	−13.2	54.9	14 49.6	1.74	9 8	2.8	20 20	0.7
11	13 0 4	120	−11 56.3	−12.4	55.4	15 32.5	1.84	10 17	2.9	20 37	0.8
12	13 49 48	129	−16 38.9	−11.0	56.0	16 18.2	1.97	11 28	3.0	20 58	1.0
13	14 43 9	139	−20 40.4	− 9.0	56.8	17 7.4	2.14	12 42	3.1	21 25	1.3
14	15 40 42	149	−23 41.9	− 6.0	57.6	18 0.8	2.31	13 56	3.0	22 1	1.7
15	16 42 21	159	−25 22.6	− 2.2	58.5	18 58.3	2.47	15 7	2.8	22 48	2.3
16	17 47 2	164	−25 24.1	+ 2.2	59.4	19 58.9	2.55	16 9	2.4	23 51	2.9
17	18 52 48	164	−23 36.1	+ 6.8	60.2	21 0.5	2.56	17 0	1.9	—	—
18	19 57 36	159	−20 1.8	+10.9	60.9	22 1.3	2.49	17 39	1.4	1 7	3.4
19	21 0 2	153	−14 58.4	+14.1	61.2	22 59.6	2.37	18 9	1.1	2 33	3.7
20	21 59 39	146	− 8 52.7	+16.1	61.2	23 55.1	2.26	18 34	0.9	4 2	3.7
21	—	—	—	—	—	—	—	18 55	0.8	5 31	3.7
22	22 54 35	141	− 2 15.6	+16.8	60.9	0 48.3	2.18	19 15	0.8	6 58	3.6
23	23 50 20	138	+ 4 22.5	+16.2	60.3	1 40.0	2.14	19 34	0.8	8 22	3.5
24	0 45 32	138	+10 35.1	+14.7	59.4	2 31.1	2.13	19 56	1.0	9 45	3.4
25	1 40 58	139	+16 0.3	+12.3	58.4	3 22.5	2.15	20 21	1.2	11 6	3.3
26	2 37 7	141	+20 21.2	+ 9.4	57.4	4 14.5	2.18	20 52	1.4	12 23	3.1
27	3 34 0	143	+23 26.3	+ 6.0	56.5	5 7.3	2.21	21 30	1.8	13 34	2.8
28	4 31 6	142	+25 9.3	+ 2.6	55.7	6 0.3	2.20	22 17	2.1	14 36	2.4
März 1	5 27 38	140	+25 29.4	− 0.8	55.0	6 52.8	2.16	23 12	2.4	15 27	1.9
2	6 22 42	135	+24 30.8	− 4.0	54.5	7 43.7	2.08	—	—	16 7	1.5
3	7 15 38	129	+22 21.6	− 6.7	54.2	8 32.6	1.99	0 14	2.7	16 39	1.2
4	8 6 11	123	+19 12.5	− 9.0	54.0	9 19.0	1.88	1 20	2.8	17 4	0.9
5	8 54 28	118	+15 14.6	−10.8	54.0	10 3.2	1.80	2 28	2.8	17 24	0.8
6	9 40 55	114	+10 39.2	−12.1	54.1	10 45.6	1.74	3 35	2.8	17 41	0.7
7	10 26 12	112	+ 5 37.5	−13.0	54.3	11 26.8	1.71	4 42	2.8	17 57	0.6
8	11 11 6	112	+ 0 20.2	−13.4	54.6	12 7.7	1.71	5 50	2.8	18 12	0.6
9	11 58 33	115	− 5 1.2	−13.3	54.9	12 49.0	1.74	6 58	2.8	18 28	0.7
10	12 45 20	119	−10 14.7	−12.7	55.3	13 31.7	1.82	8 7	2.9	18 45	0.8
11	13 34 25	126	−15 6.5	−11.5	55.8	14 16.7	1.93	9 18	3.0	19 5	0.9
12	14 26 35	135	−19 20.8	− 9.6	56.3	15 4.7	2.08	10 31	3.1	19 29	1.2
13	15 22 21	144	−22 40.3	− 6.9	56.9	15 56.4	2.23	11 44	3.0	20 2	1.6
14	16 21 38	152	−24 46.3	− 3.5	57.6	16 51.5	2.36	12 55	2.8	20 45	2.0
15	17 23 42	157	−25 22.7	+ 0.5	58.2	17 49.5	2.45	13 59	2.5	21 40	2.6
16	18 27 3	159	−24 19.0	+ 4.8	58.9	18 48.7	2.47	14 53	2.0	22 49	3.1
17	19 30 0	156	−21 34.9	+ 8.8	59.6	19 47.6	2.43	15 35	1.5	—	—
18	20 31 17	150	−17 20.3	+12.3	60.1	20 44.8	2.34	16 8	1.2	0 8	3.4
19	21 30 21	145	−11 54.2	+14.8	60.5	21 39.8	2.25	16 34	1.0	1 33	3.6
20	22 27 28	141	− 5 40.9	+16.2	60.6	22 32.8	2.18	16 56	0.9	2 59	3.6
21	23 23 21	139	+ 0 52.6	+16.4	60.5	23 24.6	2.15	17 16	0.8	4 25	3.5
22	—	—	—	—	—	—	—	17 36	0.8	5 49	3.5
23	0 16 36	139	+ 7 19.1	+15.6	60.0	0 16.1	2.15	17 57	0.9	7 13	3.5

Mittlere Zeit Greenwich	Scheinbare Rektaszension (h m s)	Diff. (m s)	Scheinbare Deklination (° ′)	Diff. (° ′)	log sin $p_☾$	Diff.	Halbmesser (′ ″)	Diff. (″)	Länge (°)	Breite (°)
März 23.5	0 44 5	54 28	+10 11.6	5 19.7	8.23996	538	16 18.3	12.0	14.122	+5.017
24.5	1 38 33	55 28	15 31.3	4 20.5	8.23458	632	16 6.3	14.0	28.474	4.912
25.5	2 34 1	56 16	19 51.8	3 8.2	8.22826	669	15 52.3	14.6	42.413	4.514
26.5	3 30 17	56 30	23 0.0	1 48.4	8.22157	652	15 37.7	13.9	55.894	3.872
27.5	4 26 47	55 47	24 48.4	0 27.7	8.21505	587	15 23.8	12.4	68.922	3.046
28.5	5 22 34	54 13	25 16.1	0 48.6	8.20918	489	15 11.4	10.2	81.540	2.092
29.5	6 16 47	51 59	+24 27.5	1 56.4	8.20429	366	15 1.2	7.6	93.819	+1.064
30.5	7 8 46	49 32	22 31.1	2 54.1	8.20063	236	14 53.6	4.8	105.845	+0.008
31.5	7 58 18	47 15	19 37.0	3 41.2	8.19827	101	14 48.8	2.1	117.711	−1.033
April 1.5	8 45 33	45 25	15 55.8	4 18.0	8.19726	23	14 46.7	0.5	129.506	2.023
2.5	9 30 58	44 14	11 37.8	4 45.3	8.19749	135	14 47.2	2.7	141.316	2.925
3.5	10 15 12	43 48	6 52.5	5 3.2	8.19884	227	14 49.9	4.7	153.211	3.705
4.5	10 59 0	44 10	+ 1 49.3	5 11.2	8.20111	298	14 54.6	6.2	165.251	−4.328
5.5	11 43 10	45 22	− 3 21.9	5 8.3	8.20409	345	15 0.8	7.1	177.461	4.762
6.5	12 28 32	47 23	8 30.2	4 52.5	8.20754	374	15 7.9	7.9	189.913	4.978
7.5	13 15 55	50 5	13 22.7	4 22.2	8.21128	382	15 15.8	8.1	202.567	4.955
8.5	14 6 0	53 14	17 44.9	3 35.2	8.21510	382	15 23.9	8.1	215.434	4.681
9.5	14 59 14	56 22	21 20.1	2 31.4	8.21892	371	15 32.0	8.0	228.501	4.160
10.5	15 55 36	58 52	−23 51.5	1 12.5	8.22263	356	15 40.0	7.8	241.754	−3.407
11.5	16 54 28	60 11	25 4.0	0 16.3	8.22619	338	15 47.8	7.4	255.183	2.454
12.5	17 54 39	60 1	24 47.7	1 47.3	8.22957	315	15 55.2	6.9	268.784	1.349
13.5	18 54 40	58 38	23 0.4	3 12.0	8.23272	281	16 2.1	6.3	282.560	−0.150
14.5	19 53 18	56 35	19 48.4	4 23.8	8.23553	233	16 8.4	5.2	296.516	+1.074
15.5	20 49 53	54 36	15 24.6	5 18.3	8.23786	162	16 13.6	3.6	310.652	2.248
16.5	21 44 29	53 6	−10 6.3	5 53.1	8.23948	68	16 17.2	1.6	324.953	+3.294
17.5	22 37 35	52 24	− 4 13.2	6 7.0	8.24016	46	16 18.8	1.1	339.379	4.138
18.5	23 29 59	52 36	+ 1 53.8	5 59.7	8.23970	177	16 17.7	4.0	353.863	4.721
19.5	0 22 35	53 33	7 53.5	5 31.0	8.23793	308	16 13.7	6.8	8.315	5.000
20.5	1 16 8	54 56	13 24.5	4 42.6	8.23485	424	16 6.9	9.4	22.627	4.963
21.5	2 11 4	56 20	18 7.1	3 37.2	8.23061	511	15 57.5	11.2	36.698	4.622
22.5	3 7 24	57 12	+21 44.3	2 19.9	8.22550	561	15 46.3	12.2	50.444	+4.018
23.5	4 4 36	57 3	24 4.2	0 57.5	8.21989	565	15 34.1	12.0	63.816	3.205
24.5	5 1 39	55 47	25 1.7	0 23.0	8.21424	528	15 22.1	11.2	76.799	2.244
25.5	5 57 26	53 34	24 38.7	1 35.8	8.20896	450	15 10.9	9.4	89.415	1.196
26.5	6 51 0	50 54	23 2.9	2 37.8	8.20446	345	15 1.5	7.1	101.717	+0.114
27.5	7 41 54	48 15	20 25.1	3 27.7	8.20101	219	14 54.4	4.5	113.775	−0.953
28.5	8 30 9	46 2	+16 57.4	4 6.7	8.19882	82	14 49.9	1.7	125.672	−1.965
29.5	9 16 11	44 28	12 50.7	4 35.6	8.19800	56	14 48.2	1.2	137.499	2.887
30.5	10 0 39	43 43	8 15.1	4 55.5	8.19856	184	14 49.4	3.7	149.344	3.686
Mai 1.5	10 44 22	43 51	+ 3 19.6	5 6.5	8.20040	296	14 53.1	6.1	161.289	4.330
2.5	11 28 13	44 53	− 1 46.9	5 7.7	8.20336	385	14 59.2	8.0	173.408	4.790
3.5	12 13 6		6 54.6		8.20721		15 7.2		185.756	5.038

	Obere Kulmination im Nullmeridian							0h Länge, +50° Breite			
Tag	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
März 23	0 16 36	139	+ 7 19.1	+15.6	60.0	0 16.1	2.15	17 57	0.9	7 13	3.5
24	1 12 38	141	+13 12.9	+13.7	59.4	1 8.0	2.18	18 21	1.1	8 36	3.4
25	2 9 40	144	+18 11.6	+11.0	58.5	2 1.0	2.23	18 50	1.3	9 57	3.3
26	3 7 45	146	+21 57.9	+ 7.7	57.6	2 55.0	2.27	19 26	1.7	11 13	3.0
27	4 6 23	147	+24 20.6	+ 4.1	56.7	3 49.6	2.27	20 11	2.0	12 21	2.6
28	5 4 38	144	+25 16.0	+ 0.5	55.9	4 43.7	2.23	21 4	2.4	13 18	2.2
29	6 1 23	139	+24 47.5	− 2.8	55.2	5 36.3	2.15	22 4	2.6	14 4	1.7
30	6 55 50	133	+23 3.6	− 5.7	54.7	6 26.7	2.04	23 9	2.8	14 39	1.3
31	7 47 35	126	+20 15.6	− 8.2	54.3	7 14.3	1.93	—	—	15 6	1.0
April 1	8 36 44	120	+16 35.6	−10.1	54.2	7 59.4	1.83	0 16	2.8	15 28	0.8
2	9 23 47	116	+12 15.1	−11.6	54.2	8 42.4	1.75	1 24	2.8	15 47	0.7
3	10 9 25	113	+ 7 24.5	−12.6	54.3	9 23.9	1.71	2 31	2.8	16 3	0.7
4	10 54 28	113	+ 2 14.0	−13.2	54.6	10 4.9	1.71	3 38	2.8	16 19	0.7
5	11 39 51	115	− 3 5.9	−13.4	55.0	10 46.2	1.74	4 45	2.8	16 35	0.7
6	12 26 29	119	− 8 23.6	−13.0	55.4	11 28.8	1.81	5 54	2.9	16 52	0.7
7	13 17 27	126	−13 25.4	−12.0	55.9	12 13.6	1.92	7 6	3.0	17 11	0.9
8	14 9 19	134	−17 55.1	−10.3	56.4	13 1.4	2.06	8 19	3.1	17 35	1.1
9	15 4 41	143	−21 34.5	− 7.8	57.0	13 52.6	2.21	9 33	3.1	18 5	1.4
10	16 3 31	151	−24 4.2	− 4.5	57.5	14 47.3	2.34	10 46	2.9	18 45	1.9
11	17 5 1	156	−25 7.4	− 0.7	57.9	15 44.7	2.43	11 52	2.6	19 37	2.4
12	18 7 44	157	−24 33.7	+ 3.5	58.4	16 43.3	2.44	12 48	2.1	20 41	2.9
13	19 9 56	154	−22 22.2	+ 7.4	58.8	17 41.4	2.39	13 33	1.7	21 56	3.3
14	20 10 19	148	−18 42.0	+10.8	59.2	18 37.7	2.30	14 8	1.3	23 17	3.4
15	21 8 23	142	−13 49.7	+13.4	59.5	19 31.7	2.20	14 36	1.0	—	—
16	22 4 19	138	− 8 5.7	+15.1	59.7	20 23.6	2.13	14 59	0.9	0 39	3.4
17	22 58 55	136	− 1 52.5	+15.8	59.8	21 14.1	2.09	15 19	0.8	2 2	3.5
18	23 53 7	136	+ 4 26.9	+15.6	59.6	22 4.2	2.10	15 38	0.8	3 25	3.4
19	0 47 56	138	+10 28.8	+14.4	59.3	22 55.0	2.14	15 58	0.9	4 47	3.4
20	1 44 4	142	+15 50.5	+12.3	58.8	23 47.0	2.20	16 21	1.0	6 9	3.4
21	—	—	—	—	—	—	—	16 48	1.2	7 30	3.4
22	2 39 30	146	+20 10.9	+ 9.3	58.1	0 40.7	2.27	17 21	1.5	8 49	3.2
23	3 38 34	149	+23 13.5	+ 5.8	57.4	1 35.7	2.31	18 2	1.9	10 1	2.8
24	4 38 1	148	+24 48.9	+ 2.1	56.6	2 31.0	2.29	18 52	2.3	11 4	2.4
25	5 36 33	144	+24 55.8	− 1.5	55.9	3 25.4	2.23	19 51	2.6	11 55	1.9
26	6 32 57	138	+23 40.9	− 4.7	55.2	4 17.7	2.12	20 56	2.8	12 35	1.5
27	7 26 29	130	+21 16.0	− 7.3	54.7	5 7.1	2.00	22 3	2.8	13 6	1.2
28	8 17 2	123	+17 54.3	− 9.4	54.4	5 53.6	1.88	23 10	2.8	13 31	0.9
29	9 4 59	117	+13 48.8	−11.0	54.2	6 37.5	1.78	—	—	13 51	0.8
30	9 51 2	113	+ 9 10.6	−12.1	54.3	7 19.4	1.72	0 17	2.8	14 8	0.7
Mai 1	10 36 5	112	+ 4 9.8	−12.9	54.5	8 0.4	1.70	1 24	2.8	14 24	0.6
2	11 21 6	113	− 1 4.3	−13.2	54.9	8 41.4	1.72	2 31	2.8	14 39	0.7
3	12 7 6	117	− 6 21.4	−13.1	55.3	9 23.3	1.78	3 39	2.9	14 56	0.7

Mittlere Zeit Greenwich		Scheinbare Rektaszension		Scheinbare Deklination		log sin $p_{☾}$		Halbmesser		Länge	Breite
		h m s	m s	° '	° '			' "	"	°	°
Mai	3.5	12 13 6	46 50	− 6 54.6	4 57.5	8.20721	444	15 7.2	9.4	185.756	−5.03
	4.5	12 59 56	49 37	11 52.1	4 33.1	8.21165	470	15 16.6	9.9	198.373	5.04
	5.5	13 49 33	52 59	16 25.2	3 52.0	8.21635	463	15 26.5	10.0	211.274	4.80
	6.5	14 42 32	56 30	20 17.2	2 52.3	8.22098	430	15 36.5	9.3	224.454	4.30
	7.5	15 39 2	59 26	23 9.5	1 35.0	8.22528	371	15 45.8	8.1	237.889	3.55
	8.5	16 38 28	61 6	24 44.5	0 5.1	8.22899	300	15 53.9	6.6	251.540	2.58
	9.5	17 39 34	61 3	−24 49.6	1 28.5	8.23199	224	16 0.5	5.0	265.363	−1.45
	10.5	18 40 37	59 30	23 21.1	2 56.1	8.23423	148	16 5.5	3.3	279.316	−0.22
	11.5	19 40 7	57 3	20 25.0	4 9.4	8.23571	80	16 8.8	1.8	293.363	+1.02
	12.5	20 37 10	54 32	16 15.6	5 4.5	8.23651	17	16 10.6	0.3	307.474	2.22
	13.5	21 31 42	52 31	11 11.1	5 39.8	8.23668	43	16 10.9	0.9	321.627	3.29
	14.5	22 24 13	51 23	− 5 31.3	5 55.7	8.23625	104	16 10.0	2.3	335.797	4.15
	15.5	23 15 36	51 12	+ 0 24.4	5 52.7	8.23521	167	16 7.7	3.7	349.955	+4.76
	16.5	0 6 48	51 56	6 17.1	5 31.2	8.23354	234	16 4.0	5.2	4.064	5.08
	17.5	0 58 44	53 21	11 48.3	4 51.6	8.23120	303	15 58.8	6.7	18.074	5.10
	18.5	1 52 5	55 3	16 39.9	3 55.1	8.22817	367	15 52.1	8.0	31.930	4.81
	19.5	2 47 8	56 30	20 35.0	2 44.6	8.22450	421	15 44.1	9.1	45.574	4.26
	20.5	3 43 38	57 7	23 19.6	1 25.2	8.22029	451	15 35.0	9.7	58.960	3.47
	21.5	4 40 45	56 33	+24 44.8	0 3.7	8.21578	457	15 25.3	9.7	72.056	+2.52
	22.5	5 37 18	54 48	24 48.5	1 13.0	8.21121	431	15 15.6	9.0	84.849	1.45
	23.5	6 32 6	52 16	23 35.5	2 19.8	8.20690	374	15 6.6	7.8	97.352	+0.34
	24.5	7 24 22	49 29	21 15.7	3 14.1	8.20316	289	14 58.8	5.9	109.598	−0.76
	25.5	8 13 51	46 54	18 1.6	3 56.1	8.20027	178	14 52.9	3.7	121.640	1.82
	26.5	9 0 45	44 55	14 5.5	4 27.1	8.19849	52	14 49.2	1.0	133.543	2.79
	27.5	9 45 40	43 43	+ 9 38.4	4 48.2	8.19797	84	14 48.2	1.7	145.384	−3.63
	28.5	10 29 23	43 23	+ 4 50.2	5 0.6	8.19881	220	14 49.9	4.5	157.246	4.32
	29.5	11 12 46	44 1	− 0 10.4	5 4.4	8.20101	348	14 54.4	7.2	169.209	4.83
	30.5	11 56 47	45 38	5 14.8	4 58.4	8.20449	455	15 1.6	9.5	181.355	5.13
	31.5	12 42 25	48 13	10 13.2	4 40.2	8.20904	533	15 11.1	11.2	193.753	5.20
Juni	1.5	13 30 38	51 38	14 53.4	4 7.0	8.21437	575	15 22.3	12.3	206.459	5.02
	2.5	14 22 16	55 31	−19 0.4	3 15.3	8.22012	573	15 34.6	12.4	219.507	−4.58
	3.5	15 17 47	59 11	22 15.7	2 4.0	8.22585	525	15 47.0	11.6	232.907	3.88
	4.5	16 16 58	61 51	24 19.7	0 35.8	8.23110	437	15 58.6	9.6	246.642	2.94
	5.5	17 18 49	62 41	24 55.5	1 1.6	8.23547	318	16 8.2	7.2	260.666	1.80
	6.5	18 21 30	61 37	23 53.9	2 36.4	8.23865	181	16 15.4	4.0	274.913	−0.54
	7.5	19 23 7	59 11	21 17.5	3 57.9	8.24046	45	16 19.4	1.1	289.305	+0.77
	8.5	20 22 18	56 14	−17 19.6	4 59.1	8.24091	78	16 20.5	1.8	303.759	+2.05
	9.5	21 18 32	53 37	12 20.5	5 37.8	8.24013	178	16 18.7	4.0	318.132	3.19
	10.5	22 12 9	51 48	6 42.7	5 55.2	8.23835	252	16 14.7	5.7	332.561	4.12
	11.5	23 3 57	50 58	− 0 47.5	5 52.9	8.23583	305	16 9.0	6.7	346.794	4.80
	12.5	23 54 55	51 8	+ 5 5.4	5 33.2	8.23278	338	16 2.3	7.5	0.864	5.17
	13.5	0 46 3		10 38.6		8.22940		15 54.8		14.743	5.24

Tag	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
	Obere Kulmination im Nullmeridian							0h Länge, +50° Breite			
	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Mai 3	12 7 6	117	− 6 21.4	−13.1	55.3	9 23.3	1.78	3 39	2.9	14 56	0.7
4	12 55 7	123	−11 29.5	−12.5	55.9	10 7.3	1.89	4 49	3.0	15 15	0.8
5	13 46 7	132	−16 13.5	−11.1	56.5	10 54.3	2.03	6 2	3.1	15 37	1.0
6	14 40 49	142	−20 15.1	− 8.9	57.2	11 45.0	2.19	7 17	3.1	16 5	1.3
7	15 41 49	151	−23 13.2	− 5.8	57.8	12 39.5	2.35	8 32	3.0	16 42	1.8
8	16 43 47	158	−24 47.8	− 2.0	58.3	13 37.4	2.45	9 42	2.8	17 31	2.3
9	17 47 29	160	−24 44.5	+ 2.3	58.7	14 36.9	2.49	10 43	2.3	18 33	2.8
10	18 50 54	157	−22 59.9	+ 6.4	59.0	15 36.3	2.44	11 32	1.8	19 46	3.2
11	19 52 21	150	−19 42.7	+ 9.9	59.2	16 33.7	2.33	12 10	1.4	21 6	3.4
12	20 50 58	143	−15 10.3	+12.6	59.3	17 28.2	2.21	12 39	1.1	22 28	3.4
13	21 46 52	137	− 9 44.0	+14.4	59.3	18 20.0	2.11	13 3	0.9	23 49	3.4
14	22 40 45	133	− 3 45.9	+15.3	59.2	19 9.9	2.05	13 24	0.8	—	—
15	23 33 42	132	+ 2 22.9	+15.3	59.0	19 58.7	2.03	13 43	0.8	1 10	3.4
16	0 26 49	134	+ 8 22.0	+14.5	58.8	20 47.8	2.06	14 3	0.9	2 30	3.3
17	1 21 5	138	+13 51.1	+12.8	58.4	21 37.9	2.12	14 24	0.9	3 50	3.3
18	2 17 7	143	+18 30.6	+10.4	57.9	22 29.9	2.20	14 48	1.1	5 9	3.3
19	3 15 0	147	+22 2.6	+ 7.2	57.4	23 23.6	2.27	15 17	1.4	6 27	3.2
20	—	—	—	—	—	—	—	15 55	1.8	7 42	3.0
21	4 11 45	148	+24 13.5	+ 3.6	56.8	0 18.7	2.30	16 42	2.2	8 49	2.6
22	5 10 54	147	+24 56.7	− 0.0	56.2	1 13.7	2.27	17 38	2.5	9 45	2.1
23	6 8 40	142	+24 14.2	− 3.4	55.6	2 7.4	2.19	18 41	2.7	10 30	1.7
24	7 3 55	134	+22 15.3	− 6.4	55.1	2 58.5	2.07	19 48	2.8	11 5	1.3
25	7 56 7	127	+19 13.5	− 8.7	54.6	3 46.6	1.94	20 55	2.8	11 32	1.0
26	8 45 20	120	+15 22.8	−10.4	54.4	4 31.7	1.82	22 2	2.8	11 54	0.8
27	9 32 9	115	+10 56.2	−11.7	54.2	5 14.4	1.74	23 9	2.8	12 12	0.7
28	10 17 21	112	+ 6 4.7	−12.5	54.3	5 55.6	1.69	—	—	12 28	0.7
29	11 1 58	112	+ 0 57.8	−12.9	54.5	6 36.1	1.69	0 15	2.8	12 44	0.7
30	11 47 0	114	− 4 15.2	−13.0	55.0	7 17.1	1.73	1 22	2.8	13 0	0.7
31	12 33 35	119	− 9 24.3	−12.6	55.5	7 59.7	1.82	2 31	2.9	13 18	0.8
Juni 1	13 22 50	127	−14 17.1	−11.6	56.2	8 44.9	1.95	3 42	3.0	13 38	0.9
2	14 15 43	137	−18 37.3	− 9.9	57.0	9 33.8	2.12	4 55	3.1	14 3	1.2
3	15 12 53	148	−22 5.0	− 7.2	57.8	10 26.9	2.30	6 10	3.1	14 36	1.6
4	16 14 15	158	−24 17.7	− 3.7	58.5	11 24.2	2.46	7 24	2.9	15 21	2.1
5	17 21 7	163	−24 55.3	+ 0.6	59.1	12 24.5	2.55	8 30	2.5	16 19	2.7
6	18 26 27	163	−23 47.2	+ 5.0	59.6	13 25.7	2.54	9 25	2.1	17 30	3.2
7	19 30 27	157	−20 56.8	+ 9.0	59.8	14 25.6	2.44	10 9	1.6	18 50	3.4
8	20 31 34	149	−16 40.7	+12.1	59.9	15 22.7	2.31	10 42	1.2	20 14	3.5
9	21 29 25	141	−11 22.6	+14.2	59.7	16 16.5	2.18	11 8	1.0	21 38	3.4
10	22 24 27	135	− 5 27.6	+15.2	59.5	17 7.4	2.08	11 30	0.8	22 59	3.3
11	23 17 43	132	+ 0 40.8	+15.3	59.1	17 56.6	2.03	11 49	0.8	—	—
12	0 10 21	132	+ 6 41.9	+14.6	58.6	18 45.2	2.03	12 8	0.8	0 19	3.3
13	1 3 28	134	+12 16.9	+13.2	58.2	19 34.2	2.07	12 28	0.9	1 38	3.3

Mittlere Zeit Greenwich		Scheinbare Rektaszension h m s	Diff. m s	Scheinbare Deklination ° ′	Diff. ° ′	log sin $p_☾$	Diff.	Halbmesser ′ ″	Diff. ″	Länge °	Breite °
Juni	13.5	0 46 3	52 8	+10 38.6	4 56.9	8.22940	358	15 54.8	7.8	14.743	+5.243
	14.5	1 38 11	53 38	15 35.5	4 5.6	8.22582	373	15 47.0	8.1	28.415	5.012
	15.5	2 31 49	55 11	19 41.1	3 0.9	8.22209	381	15 38.9	8.2	41.865	4.506
	16.5	3 27 0	56 13	22 42.0	1 46.3	8.21828	385	15 30.7	8.2	55.084	3.768
	17.5	4 23 13	56 16	24 28.3	0 27.1	8.21443	382	15 22.5	8.1	68.068	2.846
	18.5	5 19 29	55 8	24 55.4	0 50.3	8.21061	367	15 14.4	7.7	80.817	1.796
	19.5	6 14 37	53 4	+24 5.1	2 0.4	8.20694	336	15 6.7	7.0	93.337	+0.676
	20.5	7 7 41	50 26	22 4.7	2 59.1	8.20358	286	14 59.7	5.9	105.646	−0.457
	21.5	7 58 7	47 47	19 5.6	3 45.2	8.20072	215	14 53.8	4.4	117.769	1.554
	22.5	8 45 54	45 33	15 20.4	4 19.1	8.19857	124	14 49.4	2.6	129.744	2.570
	23.5	9 31 27	43 56	11 1.3	4 42.3	8.19733	14	14 46.8	0.2	141.619	3.466
	24.5	10 15 23	43 8	6 19.0	4 56.0	8.19719	109	14 46.6	2.2	153.453	4.211
	25.5	10 58 31	43 16	+ 1 23.0	5 0.9	8.19828	242	14 48.8	4.9	165.311	−4.778
	26.5	11 41 47	44 21	− 3 37.9	4 57.0	8.20070	370	14 53.7	7.7	177.268	5.143
	27.5	12 26 8	46 25	8 34.9	4 43.0	8.20440	490	15 1.4	10.2	189.397	5.286
	28.5	13 12 33	49 25	13 17.9	4 16.3	8.20930	589	15 11.6	12.5	201.775	5.191
	29.5	14 1 58	53 12	17 34.2	3 33.9	8.21519	652	15 24.1	13.9	214.469	4.843
	30.5	14 55 10	57 15	21 8.1	2 32.8	8.22171	670	15 38.0	14.6	227.534	4.239
Juli	1.5	15 52 25	60 49	−23 40.9	1 12.5	8.22841	634	15 52.6	14.0	241.004	−3.386
	2.5	16 53 14	63 0	24 53.4	0 22.6	8.23475	542	16 6.6	12.2	254.883	2.312
	3.5	17 56 14	63 14	24 30.8	2 2.6	8.24017	400	16 18.8	9.0	269.143	−1.066
	4.5	18 59 28	61 38	22 28.2	3 35.0	8.24417	221	16 27.8	5.1	283.715	+0.275
	5.5	20 1 6	58 56	18 53.2	4 48.8	8.24638	30	16 32.9	0.7	298.501	1.617
	6.5	21 0 2	56 4	14 4.4	5 38.4	8.24668	153	16 33.6	3.5	313.380	2.857
	7.5	21 56 6	53 45	− 8 26.0	6 2.6	8.24515	307	16 30.1	7.0	328.224	+3.902
	8.5	22 49 51	52 19	− 2 23.4	6 3.7	8.24208	416	16 23.1	9.4	342.917	4.678
	9.5	23 42 10	51 50	+ 3 40.3	5 44.8	8.23792	485	16 13.7	10.8	357.370	5.143
	10.5	0 34 0	52 14	9 25.1	5 8.7	8.23307	511	16 2.9	11.2	11.521	5.284
	11.5	1 26 14	53 16	14 33.8	4 18.0	8.22796	508	15 51.7	11.1	25.344	5.114
	12.5	2 19 30	54 29	18 51.8	3 15.3	8.22288	483	15 40.6	10.4	38.838	4.663
	13.5	3 13 59	55 26	+22 7.1	2 3.2	8.21805	447	15 30.2	9.5	52.019	+3.975
	14.5	4 9 25	55 40	24 10.3	0 46.3	8.21358	404	15 20.7	8.6	64.917	3.097
	15.5	5 5 5	54 55	24 56.6	0 30.3	8.20954	360	15 12.1	7.5	77.566	2.084
	16.5	6 0 0	53 13	24 26.3	1 41.3	8.20594	313	15 4.6	6.5	89.999	+0.988
	17.5	6 53 13	50 54	22 45.0	2 42.9	8.20281	263	14 58.1	5.4	102.251	−0.136
	18.5	7 44 7	48 24	20 2.1	3 32.6	8.20018	207	14 52.7	4.3	114.353	1.241
	19.5	8 32 31	46 7	+16 29.5	4 10.3	8.19811	141	14 48.4	2.8	126.334	−2.278
	20.5	9 18 38	44 20	12 19.2	4 36.4	8.19670	64	14 45.6	1.3	138.227	3.207
	21.5	10 2 58	43 14	7 42.8	4 52.3	8.19606	28	14 44.3	0.5	150.068	3.992
	22.5	10 46 12	42 56	+ 2 50.5	4 58.6	8.19634	132	14 44.8	2.7	161.897	4.606
	23.5	11 29 8	43 32	− 2 8.1	4 56.1	8.19766	247	14 47.5	5.1	173.762	5.024
	24.5	12 12 40		7 4.2		8.20013		14 52.6		185.719	5.228

Tag	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
	Obere Kulmination im Nullmeridian							0h Länge, +50° Breite			
	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Juni 13	1 3 28	134	+12 16.9	+13.2	58.2	19 34.2	2.07	12 28	0.9	1 38	3.3
14	1 57 56	138	+17 8.1	+11.0	57.7	20 24.6	2.13	12 51	1.1	2 56	3.3
15	2 54 9	143	+20 59.3	+ 8.2	57.1	21 16.7	2.21	13 19	1.3	4 14	3.2
16	3 51 55	146	+23 36.6	+ 4.9	56.6	22 10.4	2.26	13 53	1.6	5 29	3.0
17	4 50 26	146	+24 50.7	+ 1.3	56.1	23 4.8	2.27	14 35	2.0	6 38	2.7
18	5 48 22	143	+24 39.6	— 2.2	55.6	23 58.7	2.21	15 27	2.4	7 37	2.2
19	—	—	—	—	—	—	—	16 28	2.6	8 25	1.8
20	6 42 11	137	+23 8.7	— 5.3	55.1	0 50.7	2.11	17 33	2.8	9 4	1.4
21	7 35 38	130	+20 29.1	— 7.9	54.7	1 40.0	1.99	18 41	2.8	9 34	1.1
22	8 26 6	123	+16 54.8	— 9.9	54.4	2 26.4	1.87	19 49	2.8	9 57	0.9
23	9 13 52	117	+12 39.9	—11.3	54.2	3 10.1	1.77	20 56	2.8	10 17	0.8
24	9 59 35	112	+ 7 56.7	—12.2	54.1	3 51.7	1.70	22 2	2.7	10 34	0.7
25	10 44 7	111	+ 2 56.0	—12.8	54.2	4 32.2	1.68	23 8	2.7	10 50	0.6
26	11 28 27	111	— 2 12.7	—12.9	54.5	5 12.5	1.69	—	—	11 5	0.6
27	12 13 39	115	— 7 20.2	—12.7	54.9	5 53.6	1.75	0 14	2.8	11 21	0.7
28	13 0 50	121	—12 16.2	—11.9	55.5	6 36.8	1.86	1 23	2.9	11 40	0.9
29	13 51 5	130	—16 47.7	—10.6	56.3	7 23.0	2.00	2 34	3.0	12 3	1.1
30	14 45 22	141	—20 38.0	— 8.5	57.1	8 13.2	2.19	3 48	3.1	12 32	1.4
Juli 1	15 44 10	153	—23 26.5	— 5.4	58.1	9 8.0	2.38	5 2	3.0	13 10	1.8
2	16 47 7	162	—24 51.0	— 1.5	59.0	10 6.9	2.52	6 12	2.8	14 1	2.4
3	17 52 42	165	—24 33.4	+ 3.0	59.7	11 8.4	2.58	7 13	2.3	15 7	3.0
4	19 1 9	163	—22 27.0	+ 7.5	60.3	12 10.2	2.55	8 2	1.8	16 25	3.4
5	20 5 15	157	—18 40.7	+11.2	60.6	13 10.5	2.44	8 40	1.4	17 51	3.6
6	21 6 17	148	—13 36.1	+13.9	60.7	14 7.2	2.31	9 10	1.1	19 17	3.6
7	22 4 8	141	— 7 41.2	+15.4	60.4	15 1.0	2.18	9 34	0.9	20 42	3.5
8	22 59 30	136	— 1 24.2	+15.8	59.9	15 52.3	2.10	9 55	0.8	22 5	3.4
9	23 53 27	134	+ 4 50.0	+15.2	59.3	16 42.2	2.06	10 14	0.8	23 26	3.4
10	0 47 6	135	+10 40.0	+13.8	58.6	17 31.7	2.07	10 34	0.9	—	—
11	1 41 23	137	+15 47.7	+11.7	57.9	18 21.9	2.12	10 56	1.0	0 46	3.3
12	2 36 55	141	+19 57.7	+ 9.0	57.2	19 13.4	2.17	11 22	1.2	2 4	3.2
13	3 33 47	144	+22 57.1	+ 5.9	56.6	20 6.1	2.22	11 54	1.5	3 19	3.0
14	4 31 28	145	+24 36.8	+ 2.4	56.0	20 59.7	2.24	12 33	1.8	4 29	2.8
15	5 29 1	143	+24 53.2	— 1.0	55.5	21 53.2	2.21	13 21	2.2	5 31	2.4
16	6 25 14	138	+23 49.2	— 4.2	55.1	22 45.4	2.13	14 18	2.5	6 23	1.9
17	7 19 12	132	+21 33.3	— 7.0	54.7	23 35.3	2.02	15 22	2.7	7 4	1.5
18	—	—	—	—	—	—	—	16 29	2.8	7 36	1.2
19	8 8 18	125	+18 17.9	— 9.2	54.4	0 22.5	1.91	17 37	2.8	8 2	1.0
20	8 56 55	119	+14 16.6	—10.8	54.1	1 7.0	1.80	18 44	2.8	8 23	0.8
21	9 43 18	114	+ 9 42.5	—11.9	54.0	1 49.3	1.73	19 50	2.7	8 40	0.7
22	10 28 9	111	+ 4 47.5	—12.6	54.0	2 30.1	1.68	20 56	2.7	8 56	0.7
23	11 12 18	110	— 0 18.1	—12.8	54.1	3 10.2	1.67	22 2	2.8	9 12	0.7
24	11 56 43	112	— 5 24.4	—12.6	54.4	3 50.6	1.70	23 9	2.8	9 28	0.7

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log sin $p_☾$		Halbmesser		Länge	Breite
	h m s	m s	° '	° '			' "	"	°	°
Juli 24.5	12 12 40	44 59	− 7 4.2	4 44.0	8.20013	367	14 52.6	7.5	185.719	−5.228
25.5	12 57 39	47 24	11 48.2	4 21.2	8.20380	484	15 0.1	10.1	197.831	5.204
26.5	13 45 3	50 36	16 9.4	3 45.2	8.20864	590	15 10.2	12.5	210.166	4.942
27.5	14 35 39	54 21	19 54.6	2 53.4	8.21454	671	15 22.7	14.4	222.793	4.438
28.5	15 30 0	58 7	22 48.0	1 44.3	8.22125	714	15 37.1	15.5	235.779	3.697
29.5	16 28 7	61 8	24 32.3	0 18.5	8.22839	705	15 52.6	15.6	249.179	2.733
30.5	17 29 15	62 42	−24 50.8	1 18.1	8.23544	637	16 8.2	14.3	263.025	−1.582
31.5	18 31 57	62 27	23 32.7	2 55.2	8.24181	503	16 22.5	11.4	277.317	−0.298
Aug. 1.5	19 34 24	60 48	20 37.5	4 21.2	8.24684	316	16 33.9	7.3	292.010	+1.039
2.5	20 35 12	58 25	16 16.3	5 26.1	8.25000	95	16 41.2	2.2	307.012	2.330
3.5	21 33 37	56 9	10 50.2	6 5.0	8.25095	132	16 43.4	3.1	322.186	3.471
4.5	22 29 46	54 30	− 4 45.2	6 17.0	8.24963	338	16 40.3	7.7	337.369	4.365
5.5	23 24 16	53 39	+ 1 31.8	6 4.1	8.24625	497	16 32.6	11.3	352.398	+4.949
6.5	0 17 55	53 39	7 35.9	5 30.3	8.24128	598	16 21.3	13.4	7.133	5.192
7.5	1 11 34	54 13	13 6.2	4 39.3	8.23530	643	16 7.9	14.3	21.479	5.100
8.5	2 5 47	55 3	17 45.5	3 35.2	8.22887	640	15 53.6	13.9	35.390	4.708
9.5	3 0 50	55 42	21 20.7	2 22.3	8.22247	598	15 39.7	12.9	48.865	4.064
10.5	3 56 32	55 45	23 43.0	1 5.0	8.21649	534	15 26.8	11.3	61.938	3.225
11.5	4 52 17	54 58	+24 48.0	0 11.9	8.21115	455	15 15.5	9.5	74.662	+2.246
12.5	5 47 15	53 20	24 36.1	1 23.7	8.20660	374	15 6.0	7.8	87.101	1.183
13.5	6 40 35	51 9	23 12.4	2 26.6	8.20286	294	14 58.2	6.1	99.318	+0.085
14.5	7 31 44	48 46	20 45.8	3 18.8	8.19992	217	14 52.1	4.4	111.372	−1.001
15.5	8 20 30	46 31	17 27.0	3 59.6	8.19775	144	14 47.7	2.9	123.313	2.030
16.5	9 7 1	44 44	13 27.4	4 29.0	8.19631	73	14 44.8	1.5	135.185	2.962
17.5	9 51 45	43 31	+ 8 58.4	4 48.0	8.19558	1	14 43.3	0.0	147.024	−3.761
18.5	10 35 16	43 1	+ 4 10.4	4 56.8	8.19557	75	14 43.3	1.5	158.859	4.396
19.5	11 18 17	43 17	− 0 46.4	4 56.1	8.19632	159	14 44.8	3.2	170.720	4.842
20.5	12 1 34	44 22	5 42.5	4 45.8	8.19791	248	14 48.0	5.1	182.639	5.080
21.5	12 45 56	46 14	10 28.3	4 24.8	8.20039	345	14 53.1	7.1	194.650	5.096
22.5	13 32 10	48 49	14 53.1	3 52.2	8.20384	445	15 0.2	9.3	206.799	4.884
23.5	14 20 59	51 59	−18 45.3	3 6.0	8.20829	540	15 9.5	11.4	219.137	−4.444
24.5	15 12 58	55 20	21 51.3	2 5.0	8.21369	623	15 20.9	13.3	231.723	3.783
25.5	16 8 18	58 19	23 56.3	0 49.3	8.21992	680	15 34.2	14.7	244.622	2.916
26.5	17 6 37	60 22	24 45.6	0 38.1	8.22672	697	15 48.9	15.4	257.894	1.869
27.5	18 6 59	61 3	24 7.5	2 10.7	8.23369	662	16 4.3	14.8	271.592	−0.684
28.5	19 8 2	60 25	21 56.8	3 39.3	8.24031	564	16 19.1	12.8	285.742	+0.578
29.5	20 8 27	58 57	−18 17.5	4 54.5	8.24595	405	16 31.9	9.3	300.330	+1.840
30.5	21 7 24	57 16	13 23.0	5 48.6	8.25000	195	16 41.2	4.5	315.295	3.005
31.5	22 4 40	55 56	7 34.4	6 17.1	8.25195	42	16 45.7	1.0	330.516	3.976
Sept. 1.5	23 0 36	55 13	− 1 17.3	6 18.6	8.25153	275	16 44.7	6.3	345.828	4.666
2.5	23 55 49	55 14	+ 5 1.3	5 54.4	8.24878	474	16 38.4	10.9	1.045	5.021
3.5	0 51 3		10 55.7		8.24404		16 27.5		15.991	5.025

Obere Kulmination im Nullmeridian								0h Länge, +50° Breite			
Tag	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Juli 24	11 56 43	112	− 5 24.4	−12.6	54.4	3 50.6	1.70	23 9	2.8	9 28	0.7
25	12 42 24	117	−10 21.8	−12.1	54.8	4 32.2	1.78	—	—	9 45	0.8
26	13 30 23	124	−14 59.2	−11.0	55.4	5 16.2	1.89	0 17	2.9	10 5	0.9
27	14 21 40	133	−19 3.0	− 9.2	56.1	6 3.4	2.05	1 28	3.0	10 30	1.2
28	15 16 59	144	−22 16.4	− 6.7	57.0	6 54.7	2.23	2 40	3.0	11 3	1.6
29	16 16 34	154	−24 19.9	− 3.4	58.0	7 50.2	2.39	3 51	2.9	11 47	2.1
30	17 19 48	161	−24 53.7	+ 0.7	59.0	8 49.4	2.52	4 56	2.5	12 44	2.7
31	18 25 3	164	−23 43.8	+ 5.2	59.9	9 50.5	2.56	5 50	2.0	13 56	3.2
Aug. 1	19 30 14	161	−20 47.9	+ 9.4	60.7	10 51.6	2.52	6 33	1.6	15 18	3.5
2	20 33 36	155	−16 18.2	+12.9	61.1	11 50.8	2.41	7 7	1.3	16 45	3.7
3	21 36 41	148	−10 38.6	+15.2	61.3	12 47.4	2.30	7 35	1.0	18 13	3.7
4	22 34 49	143	− 4 18.7	+16.2	61.1	13 41.5	2.21	7 58	0.9	19 40	3.6
5	23 31 10	139	+ 2 11.7	+16.1	60.5	14 33.8	2.15	8 19	0.8	21 5	3.5
6	0 26 42	139	+ 8 25.5	+14.9	59.8	15 25.2	2.14	8 39	0.9	22 28	3.4
7	1 22 20	140	+14 0.1	+12.9	58.9	16 16.8	2.16	9 1	1.0	23 49	3.3
8	2 18 41	142	+18 37.4	+10.2	58.0	17 9.0	2.20	9 26	1.1	—	—
9	3 15 59	144	+22 3.7	+ 7.0	57.2	18 2.2	2.23	9 56	1.4	1 7	3.2
10	4 13 51	145	+24 9.8	+ 3.5	56.4	18 56.0	2.24	10 33	1.7	2 20	2.9
11	5 11 30	143	+24 52.4	+ 0.0	55.7	19 49.6	2.21	11 19	2.1	3 25	2.5
12	6 7 57	139	+24 13.6	− 3.2	55.1	20 41.9	2.14	12 13	2.4	4 20	2.1
13	7 2 19	133	+22 21.1	− 6.1	54.7	21 32.3	2.05	13 14	2.7	5 4	1.6
14	7 54 6	126	+19 25.9	− 8.4	54.3	22 20.0	1.93	14 20	2.8	5 39	1.3
15	8 43 18	120	+15 40.7	−10.2	54.1	23 5.2	1.83	15 27	2.8	6 7	1.0
16	9 30 14	115	+11 18.1	−11.5	54.0	23 48.1	1.75	16 34	2.8	6 29	0.8
17	—	—	—	—	—	—	—	17 41	2.8	6 48	0.7
18	10 13 29	112	+ 6 30.3	−12.4	53.9	0 29.3	1.69	18 47	2.7	7 4	0.7
19	10 57 51	110	+ 1 28.2	−12.7	54.0	1 9.6	1.67	19 52	2.7	7 20	0.7
20	11 42 8	111	− 3 37.8	−12.7	54.1	1 49.9	1.69	20 59	2.8	7 36	0.7
21	12 27 11	114	− 8 37.2	−12.2	54.4	2 30.9	1.73	22 6	2.8	7 53	0.7
22	13 13 56	120	−13 19.4	−11.2	54.8	3 13.6	1.82	23 15	2.9	8 12	0.8
23	14 3 15	127	−17 32.1	− 9.7	55.3	3 58.9	1.95	—	—	8 34	1.0
24	14 55 52	136	−21 1.1	− 7.6	56.0	4 47.4	2.10	0 25	2.9	9 3	1.4
25	15 52 12	145	−23 30.1	− 4.7	56.8	5 39.7	2.26	1 35	2.8	9 41	1.8
26	16 52 3	153	−24 41.8	− 1.2	57.7	6 35.5	2.39	2 40	2.6	10 30	2.3
27	17 54 30	158	−24 21.5	+ 2.9	58.7	7 33.9	2.46	3 37	2.2	11 33	2.9
28	18 58 3	159	−22 21.2	+ 7.1	59.7	8 33.3	2.48	4 25	1.8	12 48	3.3
29	20 1 6	156	−18 43.8	+10.9	60.5	9 32.3	2.43	5 3	1.4	14 12	3.4
30	21 2 34	151	−13 43.3	+13.9	61.1	10 29.6	2.35	5 33	1.1	15 39	3.7
31	22 2 8	147	− 7 43.3	+15.9	61.4	11 25.1	2.28	5 58	1.0	17 7	3.7
Sept. 1	23 2 29	144	− 1 12.2	+16.5	61.3	12 19.0	2.23	6 20	0.9	18 34	3.6
2	23 59 44	143	+ 5 19.8	+16.0	60.9	13 12.2	2.21	6 42	0.9	20 0	3.6
3	0 57 2	144	+11 24.6	+14.3	60.2	14 5.4	2.23	7 4	0.9	21 25	3.5

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log sin $p_☾$		Halbmesser		Länge	Breite
	h m s	m s	° ′	° ′			′ ″	″	°	°
Sept. 3.5	0 51 3	55 47	+10 55.7	5 8.0	8.24404	618	16 27.5	13.9	15.991	+5.025
4.5	1 46 50	56 32	16 3.7	4 4.5	8.23786	698	16 13.6	15.5	30.532	4.701
5.5	2 43 22	57 5	20 8.2	2 49.3	8.23088	714	15 58.1	15.7	44.595	4.099
6.5	3 40 27	56 58	22 57.5	1 28.6	8.22374	680	15 42.4	14.6	58.160	3.283
7.5	4 37 25	55 58	24 26.1	0 8.5	8.21694	609	15 27.8	12.9	71.258	2.318
8.5	5 33 23	54 10	24 34.6	1 5.8	8.21085	513	15 14.9	10.8	83.951	1.266
9.5	6 27 33	51 48	+23 28.8	2 10.9	8.20572	406	15 4.1	8.4	96.315	+0.181
10.5	7 19 21	49 17	21 17.9	3 5.0	8.20166	296	14 55.7	6.1	108.435	−0.890
11.5	8 8 38	46 57	18 12.9	3 47.8	8.19870	192	14 49.6	3.9	120.388	1.905
12.5	8 55 35	45 4	14 25.1	4 19.9	8.19678	96	14 45.7	1.9	132.246	2.827
13.5	9 40 39	43 48	10 5.2	4 41.8	8.19582	9	14 43.8	0.2	144.067	3.621
14.5	10 24 27	43 14	5 23.4	4 53.7	8.19573	66	14 43.6	1.3	155.898	4.258
15.5	11 7 41	43 23	+ 0 29.7	4 56.0	8.19639	135	14 44.9	2.8	167.774	−4.711
16.5	11 51 4	44 18	− 4 26.3	4 48.3	8.19774	200	14 47.7	4.1	179.722	4.960
17.5	12 35 22	45 55	9 14.6	4 29.5	8.19974	263	14 51.8	5.4	191.762	4.990
18.5	13 21 17	48 10	13 44.1	3 59.0	8.20237	329	14 57.2	6.8	203.915	4.794
19.5	14 9 27	50 54	17 43.1	3 15.6	8.20566	395	15 4.0	8.3	216.201	4.359
20.5	15 0 21	53 47	20 58.7	2 18.5	8.20961	462	15 12.3	9.7	228.653	3.743
21.5	15 54 8	56 21	−23 17.2	1 8.5	8.21423	524	15 22.0	11.2	241.307	−2.917
22.5	16 50 29	58 11	24 25.7	0 11.7	8.21947	573	15 33.2	12.4	254.211	1.926
23.5	17 48 40	58 57	24 14.0	1 37.1	8.22520	598	15 45.6	13.1	267.418	−0.808
24.5	18 47 37	58 38	22 36.9	3 1.2	8.23118	587	15 58.7	13.1	280.977	+0.383
25.5	19 46 15	57 37	19 35.7	4 16.6	8.23705	529	16 11.8	11.9	294.925	1.585
26.5	20 43 52	56 23	15 19.1	5 17.1	8.24234	416	16 23.7	9.5	309.273	2.720
27.5	21 40 15	55 26	−10 2.0	5 57.6	8.24650	254	16 33.2	5.8	323.990	+3.704
28.5	22 35 41	55 4	− 4 4.4	6 14.5	8.24904	53	16 39.0	1.2	338.992	4.451
29.5	23 30 45	55 25	+ 2 10.1	6 6.0	8.24957	168	16 40.2	3.9	354.146	4.894
30.5	0 26 10	56 21	8 16.1	5 32.5	8.24789	373	16 36.3	8.5	9.282	4.994
Okt. 1.5	1 22 31	57 33	13 48.6	4 36.6	8.24416	542	16 27.8	12.2	24.224	4.750
2.5	2 20 4	58 32	18 25.2	3 23.5	8.23874	656	16 15.6	14.7	38.822	4.198
3.5	3 18 36	58 44	+21 48.7	2 0.5	8.23218	707	16 0.9	15.5	52.974	+3.400
4.5	4 17 20	57 54	23 49.2	0 35.5	8.22511	699	15 45.4	15.1	66.636	2.429
5.5	5 15 14	55 59	24 24.7	0 44.3	8.21812	641	15 30.3	13.6	79.818	1.357
6.5	6 11 13	53 20	23 40.4	1 54.0	8.21171	549	15 16.7	11.5	92.568	+0.249
7.5	7 4 33	50 28	21 46.4	2 51.4	8.20622	432	15 5.2	9.0	104.961	−0.842
8.5	7 55 1	47 46	18 55.0	3 36.6	8.20190	306	14 56.2	6.3	117.083	1.870
9.5	8 42 47	45 35	+15 18.4	4 10.5	8.19884	178	14 49.9	3.6	129.024	−2.800
10.5	9 28 22	44 6	11 7.9	4 34.4	8.19706	59	14 46.3	1.2	140.869	3.600
11.5	10 12 28	43 23	6 33.5	4 48.9	8.19647	49	14 45.1	1.0	152.691	4.242
12.5	10 55 51	43 26	+ 1 44.6	4 54.3	8.19696	138	14 46.1	2.8	164.553	4.703
13.5	11 39 17	44 16	− 3 9.7	4 49.9	8.19834	212	14 48.9	4.4	176.503	4.960
14.5	12 23 33		7 59.6		8.20046		14 53.3		188.575	4.999

Tag	Obere Kulmination im Nullmeridian: AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	0h Länge, + 50° Breite: Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
	h m s	s	° '	'	'	h m	m	h m	m	h m	m
Sept. 3	0 57 2	144	+11 24.6	+14.3	60.2	14 5.4	2.23	7 4	0.9	21 25	3.5
4	1 55 0	146	+16 37.9	+11.7	59.3	14 59.2	2.26	7 28	1.1	22 47	3.3
5	2 53 48	148	+20 41.1	+ 8.5	58.3	15 53.9	2.29	7 57	1.3	—	—
6	3 53 6	148	+23 21.8	+ 4.9	57.4	16 49.1	2.30	8 32	1.6	0 5	3.1
7	4 52 5	146	+24 35.2	+ 1.2	56.5	17 44.0	2.27	9 16	2.0	1 15	2.7
8	5 49 43	142	+24 23.5	− 2.2	55.7	18 37.6	2.19	10 8	2.3	2 15	2.3
9	6 45 6	135	+22 54.5	− 5.2	55.0	19 28.9	2.08	11 8	2.6	3 3	1.8
10	7 37 45	128	+20 19.6	− 7.7	54.6	20 17.5	1.97	12 12	2.7	3 40	1.4
11	8 27 40	122	+16 51.4	− 9.6	54.2	21 3.4	1.87	13 19	2.8	4 10	1.1
12	9 15 11	116	+12 42.4	−11.1	54.0	21 46.9	1.77	14 26	2.7	4 34	0.9
13	10 0 54	113	+ 8 4.3	−12.0	53.9	22 28.6	1.71	15 32	2.7	4 54	0.8
14	10 45 35	111	+ 3 7.8	−12.6	54.0	23 9.2	1.68	16 38	2.7	5 11	0.7
15	11 30 1	111	− 1 56.5	−12.7	54.1	23 49.6	1.69	17 44	2.7	5 27	0.7
16	—	—	—	—	—	—	—	18 50	2.8	5 43	0.7
17	12 12 58	114	− 6 58.2	−12.4	54.3	0 30.5	1.73	19 57	2.8	6 0	0.7
18	12 59 21	118	−11 46.0	−11.5	54.6	1 12.9	1.81	21 5	2.9	6 19	0.8
19	13 47 54	125	−16 7.6	−10.2	55.0	1 57.4	1.91	22 15	2.9	6 41	1.0
20	14 39 16	132	−19 49.3	− 8.2	55.5	2 44.7	2.04	23 24	2.8	7 8	1.3
21	15 33 49	140	−22 35.9	− 5.6	56.1	3 35.2	2.17	—	—	7 42	1.6
22	16 31 24	147	−24 12.4	− 2.4	56.8	4 28.7	2.29	0 29	2.6	8 26	2.1
23	17 31 23	152	−24 25.6	+ 1.3	57.5	5 24.6	2.36	1 28	2.3	9 22	2.6
24	18 32 33	153	−23 7.4	+ 5.2	58.4	6 21.7	2.38	2 18	1.9	10 30	3.0
25	19 33 40	152	−20 17.4	+ 8.9	59.2	7 18.7	2.36	2 58	1.5	11 47	3.3
26	20 33 45	149	−16 3.7	+12.1	60.0	8 14.7	2.30	3 30	1.2	13 9	3.5
27	21 32 27	145	−10 42.1	+14.5	60.6	9 9.3	2.25	3 57	1.0	14 34	3.6
28	22 30 2	143	− 4 34.5	+15.9	61.0	10 2.8	2.21	4 20	0.9	16 0	3.6
29	23 27 8	143	+ 1 53.4	+16.2	61.1	10 55.8	2.21	4 42	0.9	17 26	3.6
30	0 24 35	145	+ 8 13.4	+15.3	60.8	11 49.2	2.24	5 4	0.9	18 52	3.6
Okt. 1	1 25 25	148	+13 57.9	+13.2	60.3	12 43.6	2.29	5 28	1.0	20 17	3.5
2	2 25 17	151	+18 41.7	+10.3	59.5	13 39.3	2.35	5 55	1.2	21 39	3.3
3	3 26 10	153	+22 5.9	+ 6.7	58.6	14 36.1	2.38	6 28	1.6	22 55	3.0
4	4 27 11	152	+23 59.8	+ 2.8	57.6	15 33.0	2.36	7 10	1.9	—	—
5	5 27 2	147	+24 22.3	− 0.9	56.6	16 28.8	2.28	8 0	2.3	0 1	2.5
6	6 24 33	140	+23 20.6	− 4.2	55.8	17 22.2	2.17	8 58	2.6	0 55	2.0
7	7 19 0	132	+21 7.1	− 6.9	55.1	18 12.7	2.03	10 2	2.7	1 38	1.6
8	8 10 17	124	+17 56.0	− 9.0	54.6	18 59.9	1.91	11 9	2.8	2 11	1.2
9	8 58 44	118	+14 0.8	−10.5	54.3	19 44.3	1.80	12 16	2.8	2 37	1.0
10	9 45 3	114	+ 9 33.6	−11.7	54.1	20 26.6	1.73	13 22	2.7	2 59	0.8
11	10 30 2	112	+ 4 44.9	−12.3	54.1	21 7.5	1.69	14 28	2.8	3 17	0.7
12	11 14 33	111	− 0 15.4	−12.6	54.2	21 48.0	1.69	15 34	2.7	3 34	0.7
13	11 59 29	114	− 5 17.4	−12.5	54.4	22 28.9	1.72	16 39	2.7	3 50	0.7
14	12 45 44	118	−10 10.3	−11.8	54.7	23 11.0	1.79	17 46	2.8	4 7	0.7

Mittlere Zeit Greenwich	Scheinbare Rektaszension h m s	m s	Scheinbare Deklination ° ′	° ′	log sin $p_{☾}$		Halbmesser ′ ″	″	Länge °	Breite °
Okt. 14.5	12 23 33	45 52	− 7 59.6	4 34.8	8.20046	269	14 53.3	5.5	188.575	−4.999
15.5	13 9 25	48 5	12 34.4	4 7.5	8.20315	311	14 58.8	6.5	200.790	4.811
16.5	13 57 30	50 45	16 41.9	3 26.5	8.20626	344	15 5.3	7.2	213.160	4.394
17.5	14 48 15	53 32	20 8.4	2 31.6	8.20970	369	15 12.5	7.8	225.692	3.760
18.5	15 41 47	55 56	22 40.0	1 23.6	8.21339	393	15 20.3	8.3	238.394	2.930
19.5	16 37 43	57 32	24 3.6	0 5.7	8.21732	412	15 28.6	8.9	251.275	1.938
20.5	17 35 15	58 2	−24 9.3	1 16.6	8.22144	427	15 37.5	9.2	264.356	−0.826
21.5	18 33 17	57 28	22 52.7	2 37.0	8.22571	434	15 46.7	9.5	277.662	+0.351
22.5	19 30 45	56 14	20 15.7	3 49.3	8.23005	423	15 56.2	9.4	291.222	1.532
23.5	20 26 59	54 51	16 26.4	4 48.8	8.23428	387	16 5.6	8.6	305.060	2.649
24.5	21 21 50	53 48	11 37.6	5 32.1	8.23815	318	16 14.2	7.2	319.189	3.627
25.5	22 15 38	53 25	6 5.5	5 56.3	8.24133	211	16 21.4	4.8	333.594	4.397
26.5	23 9 3	53 50	− 0 9.2	5 59.7	8.24344	70	16 26.2	1.6	348.225	+4.893
27.5	0 2 53	55 2	+ 5 50.5	5 40.2	8.24414	94	16 27.8	2.2	2.993	5.070
28.5	0 57 55	56 43	11 30.7	4 58.0	8.24320	265	16 25.6	6.0	17.776	4.910
29.5	1 54 38	58 26	16 28.7	3 54.8	8.24055	421	16 19.6	9.4	32.438	4.428
30.5	2 53 4	59 33	20 23.5	2 36.0	8.23634	543	16 10.2	12.1	46.848	3.669
31.5	3 52 37	59 30	22 59.5	1 9.3	8.23091	616	15 58.1	13.5	60.904	2.702
Nov. 1.5	4 52 7	58 4	+24 8.8	0 16.1	8.22475	640	15 44.6	13.8	74.545	+1.602
2.5	5 50 11	55 32	23 52.7	1 32.8	8.21835	610	15 30.8	13.0	87.757	+0.447
3.5	6 45 43	52 24	22 19.9	2 36.2	8.21225	538	15 17.8	11.2	100.563	−0.700
4.5	7 38 7	49 17	19 43.7	3 25.7	8.20687	432	15 6.6	9.0	113.016	1.783
5.5	8 27 24	46 37	16 18.0	4 2.3	8.20255	307	14 57.6	6.3	125.191	2.761
6.5	9 14 1	44 40	12 15.7	4 27.8	8.19948	169	14 51.3	3.5	137.170	3.602
7.5	9 58 41	43 32	+ 7 47.9	4 43.8	8.19779	31	14 47.8	0.7	149.241	−4.279
8.5	10 42 13	43 17	+ 3 4.1	4 51.2	8.19748	96	14 47.1	2.0	160.888	4.772
9.5	11 25 30	43 56	− 1 47.1	4 49.9	8.19844	210	14 49.1	4.3	172.786	5.061
10.5	12 9 26	45 25	6 37.0	4 38.8	8.20054	299	14 53.4	6.2	184.801	5.132
11.5	12 54 51	47 39	11 15.8	4 16.1	8.20353	363	14 59.6	7.6	196.982	4.972
12.5	13 42 30	50 29	15 31.9	3 39.9	8.20716	402	15 7.2	8.4	209.366	4.579
13.5	14 32 59	53 31	−19 11.8	2 48.6	8.21118	412	15 15.6	8.7	221.971	−3.957
14.5	15 26 30	56 18	22 0.4	1 42.5	8.21530	401	15 24.3	8.6	234.801	3.125
15.5	16 22 48	58 11	23 42.9	0 24.4	8.21931	374	15 32.9	8.0	247.849	2.115
16.5	17 20 59	58 47	24 7.3	0 59.5	8.22305	338	15 40.9	7.4	261.102	−0.973
17.5	18 19 46	58 6	23 7.8	2 21.5	8.22643	298	15 48.3	6.5	274.544	+0.242
18.5	19 17 52	56 29	20 46.3	3 34.8	8.22941	257	15 54.8	5.7	288.161	1.460
19.5	20 14 21	54 36	−17 11.5	4 33.9	8.23198	217	16 0.5	4.8	301.941	+2.609
20.5	21 8 57	52 59	12 37.6	5 16.6	8.23415	174	16 5.3	3.9	315.877	3.619
21.5	22 1 56	52 4	7 21.0	5 41.7	8.23589	122	16 9.2	2.7	329.957	4.421
22.5	22 54 0	52 2	− 1 39.3	5 48.4	8.23711	57	16 11.9	1.3	344.159	4.961
23.5	23 46 2	52 54	+ 4 9.1	5 36.2	8.23768	22	16 13.2	0.5	358.450	5.199
24.5	0 38 56		9 45.3		8.23746		16 12.7		12.778	5.114

Tag	AR.	Änderung für 1h westl. Länge	Dekl.	Änderung für 1h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1h westl. Länge	Aufgang	Änderung für 1h westl. Länge	Untergang	Änderung für 1h westl. Länge
	Obere Kulmination im Nullmeridian							0h Länge, +50° Breite			
	h m s	s	° '	'	'	h m	m	h m	m	h m	m
Okt. 14	12 45 44	118	−10 10.3	−11.8	54.7	23 11.0	1.79	17 46	2.8	4 7	0.7
15	13 31 55	124	−14 41.6	−10.7	55.1	23 55.3	1.90	18 55	2.9	4 25	0.8
16	—	—	—	—	—	—	—	20 5	2.9	4 46	1.0
17	14 22 55	131	−18 37.2	− 8.9	55.5	0 42.2	2.02	21 14	2.8	5 12	1.2
18	15 16 59	139	−21 41.6	− 6.4	56.0	1 32.3	2.15	22 21	2.7	5 44	1.5
19	16 13 58	146	−23 39.1	− 3.3	56.5	2 25.2	2.26	23 22	2.4	6 26	2.0
20	17 13 11	150	−24 16.6	+ 0.2	57.0	3 20.3	2.33	—	—	7 19	2.4
21	18 13 26	151	−23 26.3	+ 4.0	57.6	4 16.5	2.34	0 14	2.0	8 23	2.8
22	19 13 24	149	−21 7.9	+ 7.5	58.2	5 12.4	2.31	0 56	1.6	9 35	3.1
23	20 12 10	145	−17 28.6	+10.7	58.8	6 7.0	2.24	1 30	1.3	10 53	3.2
24	21 9 22	141	−12 41.9	+13.1	59.4	7 0.1	2.18	1 58	1.1	12 14	3.4
25	22 5 17	139	− 7 5.0	+14.8	59.9	7 51.9	2.14	2 22	0.9	13 36	3.4
26	23 0 36	138	− 0 58.6	+15.6	60.2	8 43.2	2.13	2 43	0.9	14 58	3.4
27	23 56 16	140	+ 5 14.7	+15.4	60.3	9 34.7	2.17	3 4	0.9	16 21	3.5
28	0 53 11	144	+11 9.9	+14.1	60.2	10 27.6	2.23	3 27	1.0	17 45	3.5
29	1 51 57	149	+16 21.6	+11.7	59.8	11 22.3	2.32	3 53	1.1	19 9	3.4
30	2 55 3	154	+20 26.1	+ 8.5	59.2	12 18.9	2.40	4 23	1.4	20 29	3.2
31	3 57 0	155	+23 5.4	+ 4.7	58.5	13 16.8	2.42	5 1	1.8	21 41	2.8
Nov. 1	4 58 49	153	+24 10.8	+ 0.8	57.6	14 14.5	2.38	5 48	2.1	22 42	2.3
2	5 58 52	147	+23 44.5	− 2.9	56.7	15 10.5	2.28	6 44	2.5	23 31	1.8
3	6 55 57	138	+21 57.6	− 5.9	55.9	16 3.5	2.14	7 48	2.7	—	—
4	7 49 30	129	+19 5.4	− 8.3	55.2	16 53.0	1.99	8 55	2.8	0 9	1.4
5	8 39 40	122	+15 23.7	−10.1	54.7	17 39.1	1.86	10 3	2.8	0 38	1.1
6	9 27 5	116	+11 6.6	−11.3	54.3	18 22.5	1.76	11 10	2.8	1 2	0.9
7	10 12 36	112	+ 6 25.6	−12.1	54.2	19 4.0	1.70	12 16	2.7	1 22	0.8
8	10 57 11	111	+ 1 30.6	−12.5	54.2	19 44.5	1.68	13 21	2.7	1 39	0.7
9	11 41 49	112	− 3 29.4	−12.5	54.4	20 25.1	1.71	14 27	2.7	1 55	0.7
10	12 27 30	116	− 8 24.7	−12.1	54.7	21 6.7	1.77	15 33	2.8	2 12	0.7
11	13 15 8	122	−13 4.2	−11.1	55.1	21 50.2	1.87	16 41	2.9	2 30	0.8
12	14 5 32	130	−17 14.4	− 9.6	55.6	22 36.6	2.00	17 51	2.9	2 50	0.9
13	14 59 14	139	−20 39.5	− 7.4	56.2	23 26.1	2.13	19 1	2.9	3 14	1.1
14	—	—	—	—	—	—	—	20 10	2.8	3 44	1.4
15	15 53 55	146	−23 2.1	− 4.4	56.7	0 19.0	2.27	21 15	2.5	4 23	1.8
16	16 53 33	151	−24 6.6	− 0.9	57.2	1 14.6	2.35	22 11	2.1	5 13	2.3
17	17 54 34	153	−23 42.3	+ 2.9	57.7	2 11.5	2.38	22 56	1.7	6 15	2.8
18	18 55 22	151	−21 47.7	+ 6.6	58.2	3 8.2	2.34	23 32	1.4	7 26	3.1
19	19 54 42	146	−18 29.9	+ 9.8	58.5	4 3.4	2.26	—	—	8 43	3.3
20	20 51 56	140	−14 3.3	+12.3	58.9	4 56.6	2.17	0 2	1.1	10 2	3.3
21	21 47 14	136	− 8 46.0	+14.0	59.1	5 47.8	2.10	0 26	0.9	11 22	3.3
22	22 41 16	134	− 2 57.0	+14.9	59.3	6 37.7	2.07	0 47	0.9	12 42	3.3
23	23 35 1	135	+ 3 3.5	+15.0	59.4	7 27.4	2.08	1 8	0.9	14 2	3.4
24	0 29 33	138	+ 8 55.1	+14.2	59.4	8 17.8	2.13	1 29	0.9	15 23	3.4

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log sin $p_☾$		Halbmesser		Länge	Breite
	h m s	m s	° ′	° ′			′ ″	″	°	°
Nov. 24.5	0 38 56	54 33	+ 9 45.3	5 4.3	8.23746	119	16 12.7	2.7	12.778	+5.114
25.5	1 33 29	56 34	14 49.6	4 12.7	8.23627	225	16 10.0	5.0	27.075	4.713
26.5	2 30 3	58 24	19 2.3	3 3.5	8.23402	331	16 5.0	7.3	41.262	4.025
27.5	3 28 27	59 22	22 5.8	1 42.1	8.23071	424	15 57.7	9.3	55.260	3.102
28.5	4 27 49	59 0	23 47.9	0 16.0	8.22647	491	15 48.4	10.7	68.998	2.013
29.5	5 26 49	57 11	24 3.9	1 5.6	8.22156	525	15 37.7	11.2	82.427	+0.834
30.5	6 24 0	54 22	+22 58.3	2 16.3	8.21631	519	15 26.5	11.0	95.523	−0.364
Dez. 1.5	7 18 22	51 9	20 42.0	3 12.5	8.21112	474	15 15.5	10.0	108.288	1.514
2.5	8 9 31	48 8	17 29.5	3 53.9	8.20638	392	15 5.5	8.1	120.750	2.566
3.5	8 57 39	45 40	13 35.6	4 22.5	8.20246	283	14 57.4	5.8	132.957	3.480
4.5	9 43 19	44 0	9 13.1	4 40.3	8.19963	154	14 51.6	3.2	144.974	4.225
5.5	10 27 19	43 15	+ 4 32.8	4 48.8	8.19809	13	14 48.4	0.3	156.875	4.781
6.5	11 10 34	43 25	− 0 16.0	4 49.1	8.19796	128	14 48.1	2.6	168.739	−5.131
7.5	11 53 59	44 30	5 5.1	4 40.8	8.19924	260	14 50.7	5.4	180.648	5.263
8.5	12 38 29	46 29	9 45.9	4 22.6	8.20184	375	14 56.1	7.8	192.679	5.167
9.5	13 24 58	49 15	14 8.5	3 52.4	8.20559	460	15 3.9	9.6	204.900	4.838
10.5	14 14 13	52 31	18 0.9	3 7.7	8.21019	514	15 13.5	10.9	217.371	4.275
11.5	15 6 44	55 49	21 8.6	2 7.3	8.21533	527	15 24.4	11.2	230.130	3.490
12.5	16 2 33	58 31	−23 15.9	0 51.8	8.22060	499	15 35.6	10.9	243.199	−2.506
13.5	17 1 4	59 58	24 7.7	0 33.8	8.22559	437	15 46.5	9.5	256.577	1.362
14.5	18 1 2	59 52	23 33.9	2 1.2	8.22996	348	15 56.0	7.7	270.238	−0.116
15.5	19 0 54	58 26	21 32.7	3 21.3	8.23344	242	16 3.7	5.4	284.142	+1.160
16.5	19 59 20	56 17	18 11.4	4 26.6	8.23586	139	16 9.1	3.1	298.231	2.382
17.5	20 55 37	54 9	13 44.8	5 13.1	8.23725	35	16 12.2	0.8	312.442	3.468
18.5	21 49 46	52 32	− 8 31.7	5 39.8	8.23760	45	16 13.0	1.0	326.712	+4.344
19.5	22 42 18	51 47	− 2 51.9	5 47.1	8.23715	111	16 12.0	2.5	340.985	4.952
20.5	23 34 5	51 57	+ 2 55.2	5 35.9	8.23604	164	16 9.5	3.6	355.210	5.255
21.5	0 26 2	52 59	8 31.1	5 7.1	8.23440	206	16 5.9	4.6	9.349	5.238
22.5	1 19 1	54 39	13 38.2	4 21.3	8.23234	247	16 1.3	5.5	23.368	4.909
23.5	2 13 40	56 28	17 59.5	3 19.7	8.22987	287	15 55.8	6.3	37.241	4.296
24.5	3 10 8	57 51	+21 19.2	2 5.4	8.22700	327	15 49.5	7.1	50.943	+3.445
25.5	4 7 59	58 14	23 24.6	0 43.9	8.22373	365	15 42.4	7.9	64.452	2.411
26.5	5 6 13	57 20	24 8.5	0 37.7	8.22008	396	15 34.5	8.4	77.748	1.262
27.5	6 3 33	55 15	23 30.8	1 52.2	8.21612	411	15 26.1	8.8	90.815	+0.066
28.5	6 58 48	52 26	21 38.6	2 54.3	8.21201	404	15 17.3	8.5	103.645	−1.112
29.5	7 51 14	49 28	18 44.3	3 42.1	8.20797	375	15 8.8	7.8	116.239	2.213
30.5	8 40 42	46 49	+15 2.2	4 15.8	8.20422	316	15 1.0	6.5	128.609	−3.190
31.5	9 27 31		10 46.4		8.20106		14 54.5		140.781	4.005

Obere Kulmination im Nullmeridian								0^h Länge, $+50°$ Breite			
Tag	AR.	Änderung für 1^h westl. Länge	Dekl.	Änderung für 1^h westl. Länge	Parallaxe	Zeit des Durchgangs	Änderung für 1^h westl. Länge	Aufgang	Änderung für 1^h westl. Länge	Untergang	Änderung für 1^h westl. Länge
	h m s	s	° ′	′	′	h m	m	h m	m	h m	m
Nov. 24	0 29 33	138	+ 8 55.1	+14.2	59.4	8 17.8	2.13	1 29	0.9	15 23	3.4
25	1 25 47	143	+14 16.0	+12.4	59.3	9 10.0	2.22	1 52	1.0	16 44	3.4
26	2 24 15	149	+18 44.3	+ 9.8	59.0	10 4.4	2.31	2 20	1.3	18 4	3.3
27	3 24 49	153	+21 59.8	+ 6.4	58.5	11 0.9	2.39	2 54	1.6	19 19	3.0
28	4 28 57	155	+23 47.8	+ 2.6	57.9	11 58.5	2.40	3 36	2.0	20 26	2.6
29	5 30 15	151	+24 2.9	− 1.3	57.2	12 55.7	2.35	4 28	2.4	21 21	2.0
30	6 29 27	144	+22 50.1	− 4.7	56.5	13 50.9	2.24	5 29	2.7	22 4	1.6
Dez. 1	7 25 26	135	+20 22.8	− 7.5	55.8	14 42.8	2.09	6 36	2.9	22 37	1.2
2	8 17 51	127	+16 57.5	− 9.5	55.2	15 31.2	1.94	7 45	2.9	23 3	1.0
3	9 6 59	119	+12 50.6	−11.0	54.7	16 16.3	1.82	8 54	2.8	23 24	0.8
4	9 53 35	114	+ 8 16.0	−11.9	54.4	16 58.8	1.73	10 1	2.8	23 43	0.7
5	10 38 35	111	+ 3 25.1	−12.3	54.2	17 39.8	1.69	11 7	2.7	—	—
6	11 23 0	111	− 1 32.6	−12.4	54.3	18 20.2	1.68	12 12	2.7	0 0	0.7
7	12 7 52	114	− 6 28.5	−12.2	54.5	19 1.0	1.72	13 18	2.7	0 16	0.7
8	12 54 14	119	−11 12.9	−11.5	54.9	19 43.3	1.81	14 24	2.8	0 33	0.7
9	13 43 5	126	−15 34.6	−10.2	55.4	20 28.0	1.93	15 33	2.9	0 52	0.8
10	14 35 13	135	−19 19.5	− 8.4	56.0	21 16.0	2.08	16 43	2.9	1 14	1.0
11	15 31 4	144	−22 10.6	− 5.8	56.7	22 7.8	2.23	17 53	2.9	1 42	1.3
12	16 30 25	152	−23 49.8	− 2.4	57.4	23 3.0	2.36	19 0	2.7	2 17	1.7
13	—	—	—	—	—	—	—	20 1	2.3	3 3	2.2
14	17 29 47	156	−24 1.8	+ 1.5	58.1	0 0.7	2.43	20 52	1.9	4 1	2.7
15	18 32 20	156	−22 38.9	+ 5.4	58.6	0 59.1	2.42	21 32	1.5	5 11	3.1
16	19 33 54	152	−19 44.7	+ 9.0	59.1	1 56.5	2.35	22 4	1.2	6 29	3.3
17	20 33 18	145	−15 32.9	+11.8	59.3	2 51.8	2.25	22 31	1.0	7 50	3.4
18	21 30 13	139	−10 23.4	+13.8	59.4	3 44.6	2.15	22 53	0.9	9 11	3.4
19	22 25 5	135	− 4 38.5	+14.8	59.4	4 35.4	2.08	23 14	0.9	10 31	3.3
20	23 18 47	134	+ 1 20.3	+14.9	59.3	5 25.0	2.06	23 35	0.9	11 51	3.3
21	0 12 23	135	+ 7 12.5	+14.3	59.0	6 14.5	2.08	23 57	1.0	13 10	3.3
22	1 6 55	138	+12 38.5	+12.8	58.8	7 5.0	2.14	—	—	14 29	3.3
23	2 3 10	143	+17 19.3	+10.5	58.4	7 57.2	2.22	0 22	1.1	15 48	3.2
24	3 1 28	148	+20 57.0	+ 7.5	58.0	8 51.4	2.30	0 52	1.4	17 3	3.0
25	4 1 26	151	+23 16.4	+ 4.0	57.6	9 47.3	2.35	1 30	1.8	18 12	2.7
26	5 1 58	151	+24 8.3	+ 0.3	57.1	10 43.7	2.34	2 17	2.2	19 11	2.2
27	6 1 34	147	+23 31.9	− 3.3	56.6	11 39.2	2.27	3 14	2.6	19 58	1.7
28	7 1 9	139	+21 35.4	− 6.3	56.0	12 32.4	2.16	4 19	2.8	20 35	1.4
29	7 55 15	131	+18 32.7	− 8.8	55.5	13 22.5	2.02	5 27	2.9	21 4	1.1
30	8 46 4	123	+14 40.4	−10.5	55.0	14 9.3	1.89	6 37	2.9	21 28	0.9
31	9 34 2		+10 14.0		54.6	14 53.2	1.78	7 45	2.8	21 48	0.7

Mittlere Zeit Greenwich	Mondbewegung			Lage des Mondäquators gegen den Erdäquator							
	☊	$L_☾$	$M_☾$	i		Δ		☊′		Δ − ☋	
Jan. − 4.5	290°.6276	303°.4012	357°.86	22°.952	14	107°.244	539	3°.686	10	356°.612	10
+ 5.5	290.0980	75.1652	128.51	22.966	14	106.705	539	3.696	11	356.602	9
15.5	289.5685	206.9292	259.16	22.980	13	106.166	538	3.707	10	356.593	9
25.5	289.0389	338.6932	29.81	22.993	14	105.628	538	3.717	10	356.584	9
Febr. 4.5	288.5094	110.4571	160.46	23.007	14	105.090	538	3.727	9	356.575	8
14.5	287.9798	242.2211	291.11	23.021	14	104.552	538	3.736	9	356.567	8
24.5	287.4503	13.9851	61.76	23.035	13	104.014	537	3.745	9	356.559	8
März 6.5	286.9208	145.7490	192.41	23.048	14	103.477	537	3.754	8	356.551	7
16.5	286.3912	277.5130	323.06	23.062	14	102.940	537	3.762	8	356.544	7
26.5	285.8617	49.2770	93.71	23.076	14	102.403	536	3.770	8	356.537	7
April 5.5	285.3322	181.0410	224.36	23.090	14	101.867	536	3.778	7	356.530	6
15.5	284.8027	312.8049	355.01	23.104	14	101.331	536	3.785	7	356.524	6
25.5	284.2731	84.5689	125.66	23.118	14	100.795	535	3.792	6	356.518	6
Mai 5.5	283.7435	216.3329	256.31	23.132	13	100.260	535	3.798	6	356.512	6
15.5	283.2140	348.0968	26.96	23.145	14	99.725	535	3.804	6	356.506	5
25.5	282.6845	119.8608	157.61	23.159	14	99.190	534	3.810	5	356.501	5
Juni 4.5	282.1549	251.6248	288.26	23.173	14	98.656	534	3.815	5	356.496	4
14.5	281.6254	23.3887	58.91	23.187	14	98.122	534	3.820	5	356.492	4
24.5	281.0958	155.1527	189.56	23.201	14	97.588	533	3.825	5	356.488	4
Juli 4.5	280.5663	286.9167	320.21	23.215	14	97.055	533	3.830	4	356.484	4
14.5	280.0368	58.6807	90.86	23.229	14	96.522	533	3.834	4	356.480	3
24.5	279.5072	190.4446	221.51	23.243	14	95.989	533	3.838	4	356.477	3
Aug. 3.5	278.9777	322.2086	352.16	23.257	15	95.456	532	3.842	3	356.474	3
13.5	278.4481	93.9726	122.81	23.272	14	94.924	532	3.845	3	356.471	3
23.5	277.9186	225.7365	253.46	23.286	14	94.392	532	3.848	2	356.468	2
Sept. 2.5	277.3891	357.5005	24.11	23.300	14	93.860	532	3.850	2	356.466	2
12.5	276.8595	129.2645	154.76	23.314	14	93.328	531	3.852	2	356.464	2
22.5	276.3300	261.0285	285.41	23.328	14	92.797	531	3.854	2	356.462	1
Okt. 2.5	275.8004	32.7924	56.06	23.342	14	92.266	530	3.856	1	356.461	1
12.5	275.2709	164.5564	186.71	23.356	14	91.736	530	3.857	1	356.460	1
22.5	274.7414	296.3204	317.36	23.370	15	91.206	530	3.858	1	356.459	0
Nov. 1.5	274.2118	68.0843	88.01	23.385	14	90.676	530	3.859	0	356.459	0
11.5	273.6823	199.8483	218.66	23.399	14	90.146	529	3.859	0	356.459	0
21.5	273.1527	331.6123	349.31	23.413	14	89.617	529	3.859	0	356.459	0
Dez. 1.5	272.6232	103.3763	119.96	23.427	14	89.088	529	3.859	1	356.459	1
11.5	272.0937	235.1402	250.61	23.441	14	88.559	529	3.858	1	356.460	1
21.5	271.5641	6.9042	21.26	23.455	14	88.030	528	3.857	2	356.461	2
31.5	271.0346	138.6682	151.91	23.469		87.502		3.855		356.463	

Mittlere Zeit Greenwich	$\alpha_{☾} - \alpha_k$			$\delta_{☾} - \delta_k$			log sin p_k		
Jan. −0.5	−10.52	−0.36		−125.0	− 4.5		8.23153	−585	
+0.5	−10.88	−0.42	−0.06	−129.5	+ 6.2	+10.7	8.22568	−552	+ 33
1.5	−11.30	−0.41	+0.01	−123.3	+16.1	+ 9.9	8.22016	−498	+ 54
2.5	−11.71	−0.25	+0.16	−107.2	+24.3	+ 8.2	8.21518	−436	+ 62
3.5	−11.96	+0.13	+0.38	− 82.9	+30.4	+ 6.1	8.21082	−369	+ 67
4.5	−11.83	+0.69	+0.56	− 52.5	+33.7	+ 3.3	8.20713	−308	+ 61
5.5	−11.14	+1.29	+0.60	− 18.8	+34.1	+ 0.4	8.20405	−248	+ 60
6.5	− 9.85	+1.83	+0.54	+ 15.3	+31.5	− 2.6	8.20157	−188	+ 60
7.5	− 8.02	+2.17	+0.34	+ 46.8	+27.1	− 4.4	8.19969	−128	+ 60
8.5	− 5.85	+2.31	+0.14	+ 73.9	+21.4	− 5.7	8.19841	− 62	+ 66
9.5	− 3.54	+2.28	−0.03	+ 95.3	+15.9	− 5.5	8.19779	+ 12	+ 74
10.5	− 1.26	+2.13	−0.15	+111.2	+10.7	− 5.2	8.19791	+ 98	+ 86
11.5	+ 0.87	+1.89	−0.24	+121.9	+ 6.6	− 4.1	8.19889	+195	+ 97
12.5	+ 2.76	+1.59	−0.30	+128.5	+ 3.6	− 3.0	8.20084	+303	+108
13.5	+ 4.35	+1.25	−0.34	+132.1	+ 1.8	− 1.8	8.20387	+415	+112
14.5	+ 5.60	+0.80	−0.45	+133.9	+ 0.8	− 1.0	8.20802	+526	+111
15.5	+ 6.40	+0.24	−0.56	+134.7	+ 0.2	− 0.6	8.21328	+624	+ 98
16.5	+ 6.64			+134.9			8.21952		
Jan. 29.5	−12.62	−0.50		−116.9	+23.2		8.22067	−611	
30.5	−13.12	−0.03	+0.47	− 93.7	+30.5	+ 7.3	8.21456	−520	+ 91
31.5	−13.15	+0.58	+0.61	− 63.2	+35.1	+ 4.6	8.20936	−422	+ 98
Febr. 1.5	−12.57	+1.24	+0.66	− 28.1	+35.5	+ 0.4	8.20514	−323	+ 99
2.5	−11.33	+1.81	+0.57	+ 7.4	+33.3	− 2.2	8.20191	−227	+ 96
3.5	− 9.52	+2.19	+0.38	+ 40.7	+29.0	− 4.3	8.19964	−140	+ 87
4.5	− 7.33	+2.34	+0.15	+ 69.7	+23.6	− 5.4	8.19824	− 63	+ 77
5.5	− 4.99	+2.32	−0.02	+ 93.3	+17.9	− 5.7	8.19761	+ 10	+ 73
6.5	− 2.67	+2.16	−0.16	+111.2	+12.6	− 5.3	8.19771	+ 77	+ 67
7.5	− 0.51	+1.92	−0.24	+123.8	+ 8.0	− 4.6	8.19848	+144	+ 67
8.5	+ 1.41	+1.64	−0.28	+131.8	+ 4.3	− 3.7	8.19992	+214	+ 70
9.5	+ 3.05	+1.32	−0.32	+136.1	+ 1.6	− 2.7	8.20206	+290	+ 76
10.5	+ 4.37	+0.96	−0.36	+137.7	− 0.4	− 2.0	8.20496	+369	+ 79
11.5	+ 5.33	+0.53	−0.43	+137.3	− 1.7	− 1.3	8.20865	+453	+ 84
12.5	+ 5.86	+0.01	−0.52	+135.6	− 3.0	− 1.3	8.21318	+533	+ 80
13.5	+ 5.87	−0.59	−0.60	+132.6	− 5.1	− 2.1	8.21851	+601	+ 68
14.5	+ 5.28			+127.5			8.22452		
Febr. 28.5	−13.58	+0.97		− 36.6	+37.0		8.21001	−475	
März 1.5	−12.61	+1.67	+0.70	+ 0.4	+35.1	− 1.9	8.20526	−354	+121
2.5	−10.94	+2.16	+0.49	+ 35.5	+31.0	− 4.1	8.20172	−232	+122
3.5	− 8.78	+2.38	+0.22	+ 66.5	+25.3	− 5.7	8.19940	−117	+115
4.5	− 6.40	+2.38	0.00	+ 91.8	+19.5	− 5.8	8.19823	− 12	+105
5.5	− 4.02	+2.23	−0.15	+111.3	+14.1	− 5.4	8.19811	+ 77	+ 89
6.5	− 1.79	+1.96	−0.27	+125.4	+ 9.3	− 4.8	8.19888	+150	+ 73
7.5	+ 0.17	+1.65	−0.31	+134.7	+ 5.6	− 3.7	8.20038	+213	+ 63
8.5	+ 1.82		−0.36	+140.3		− 3.2	8.20251		+ 52

Mittlere Zeit Greenwich	$\alpha_☾ - \alpha_k$			$\delta_☾ - \delta_k$			$\log \sin p_k$		
	s	s	s	″	″	″			
März 8.5	+1.82	+1.29	−0.36	+140.3	+ 2.4	−3.2	8.20251	+265	+ 52
9.5	+3.11	+0.91	−0.38	+142.7	0.0	−2.4	8.20516	+310	+ 45
10.5	+4.02	+0.50	−0.41	+142.7	− 2.1	−2.1	8.20826	+354	+ 44
11.5	+4.52	+0.04	−0.46	+140.6	− 4.1	−2.0	8.21180	+395	+ 41
12.5	+4.56	−0.43	−0.47	+136.5	− 6.8	−2.7	8.21575	+435	+ 40
13.5	+4.13	−0.89	−0.46	+129.7	−10.4	−3.6	8.22010	+470	+ 35
14.5	+3.24	−1.25	−0.36	+119.3	−15.2	−4.8	8.22480	+496	+ 29
15.5	+1.99	−1.44	−0.19	+104.1	−21.1	−5.9	8.22976	+502	+ 6
16.5	+0.55			+ 83.0			8.23478		
März 30.5	−9.76	+2.32		+ 62.7	+27.4		8.20248	−236	
31.5	−7.44	+2.41	+0.09	+ 90.1	+21.1	−6.3	8.20012	−101	+135
April 1.5	−5.03	+2.31	−0.10	+111.2	+15.2	−5.9	8.19911	+ 23	+124
2.5	−2.72	+2.05	−0.26	+126.4	+10.2	−5.0	8.19934	+135	+112
3.5	−0.67	+1.71	−0.34	+136.6	+ 6.2	−4.0	8.20069	+228	+ 93
4.5	+1.04	+1.34	−0.37	+142.8	+ 3.2	−3.0	8.20297	+299	+ 71
5.5	+2.38	+0.89	−0.45	+146.0	+ 0.7	−2.5	8.20596	+346	+ 47
6.5	+3.27	+0.43	−0.46	+146.7	− 1.5	−2.2	8.20942	+375	+ 29
7.5	+3.70	−0.08	−0.51	+145.2	− 3.9	−2.4	8.21317	+385	+ 10
8.5	+3.62	−0.59	−0.51	+141.3	− 7.0	−3.1	8.21702	+384	− 1
9.5	+3.03	−1.03	−0.44	+134.3	−11.3	−4.3	8.22086	+373	− 11
10.5	+2.00	−1.30	−0.27	+123.0	−16.7	−5.4	8.22459	+358	− 15
11.5	+0.70	−1.34	−0.04	+106.3	−22.6	−5.9	8.22817	+340	− 18
12.5	−0.64	−1.18	+0.16	+ 83.7	−27.8	−5.2	8.23157	+317	− 23
13.5	−1.82	−0.91	+0.27	+ 55.9	−30.9	−3.1	8.23474	+282	− 35
14.5	−2.73			+ 25.0			8.23756		
April 28.5	−5.70	+2.35		+109.6	+16.7		8.20068	− 82	
29.5	−3.35	+2.17	−0.18	+126.3	+11.1	−5.6	8.19986	+ 56	+138
30.5	−1.18	+1.86	−0.31	+137.4	+ 6.4	−4.7	8.20042	+184	+128
Mai 1.5	+0.68	+1.50	−0.36	+143.8	+ 3.2	−3.2	8.20226	+297	+113
2.5	+2.18	+1.04	−0.46	+147.0	+ 0.7	−2.5	8.20523	+386	+ 89
3.5	+3.22	+0.54	−0.50	+147.7	− 1.0	−1.7	8.20909	+446	+ 60
4.5	+3.76	−0.04	−0.58	+146.7	− 3.0	−2.0	8.21355	+472	+ 26
5.5	+3.72	−0.65	−0.61	+143.7	− 5.8	−2.8	8.21827	+466	− 6
6.5	+3.07	−1.23	−0.58	+137.9	−10.2	−4.4	8.22293	+432	− 34
7.5	+1.84	−1.61	−0.38	+127.7	−16.3	−6.1	8.22725	+373	− 59
8.5	+0.23	−1.71	−0.10	+111.4	−23.4	−7.1	8.23098	+302	− 71
9.5	−1.48	−1.48	+0.23	+ 88.0	−29.7	−6.3	8.23400	+226	− 76
10.5	−2.96	−1.06	+0.42	+ 58.3	−33.5	−3.8	8.23626	+149	− 77
11.5	−4.02	−0.67	+0.39	+ 24.8	−34.3	−0.8	8.23775	+ 80	− 69
12.5	−4.69	−0.42	+0.25	− 9.5	−32.2	+2.1	8.23855	+ 16	− 64
13.5	−5.11	−0.37	+0.05	− 41.7	−27.7	+4.5	8.23871	− 44	− 60
14.5	−5.48			− 69.4			8.23827		

Mittlere Zeit Greenwich		$\alpha_☾ - \alpha_k$			$\delta_☾ - \delta_k$			$\log \sin p_k$		
Mai	28.5	+ 0.37 s	+1.70 s		+143.9″	+ 2.9″		8.20066	+220	
	29.5	+ 2.07	+1.31	−0.39 s	+146.8	+ 0.2	− 2.7″	8.20286	+350	+130
	30.5	+ 3.38	+0.84	−0.47	+147.0	− 1.6	− 1.8	8.20636	+457	+107
	31.5	+ 4.22	+0.29	−0.55	+145.4	− 2.9	− 1.3	8.21093	+535	+ 78
Juni	1.5	+ 4.51	−0.37	−0.66	+142.5	− 4.7	− 1.8	8.21628	+578	+ 43
	2.5	+ 4.14	−1.06	−0.69	+137.8	− 7.8	− 3.1	8.22206	+576	− 2
	3.5	+ 3.08	−1.68	−0.62	+130.0	−13.2	− 5.4	8.22782	+528	− 48
	4.5	+ 1.40	−2.06	−0.38	+116.8	−20.9	− 7.7	8.23310	+440	− 88
	5.5	− 0.66	−2.05	+0.01	+ 95.9	−28.8	− 7.9	8.23750	+320	−120
	6.5	− 2.71	−1.61	+0.44	+ 67.1	−35.4	− 6.6	8.24070	+181	−139
	7.5	− 4.32	−1.12	+0.49	+ 31.7	−37.8	− 2.4	8.24251	+ 45	−136
	8.5	− 5.44	−0.74	+0.38	− 6.1	−36.2	+ 1.6	8.24296	− 78	−123
	9.5	− 6.18	−0.49	+0.25	− 42.3	−31.2	+ 5.0	8.24218	−179	−101
	10.5	− 6.67	−0.48	+0.01	− 73.5	−23.7	+ 7.5	8.24039	−253	− 74
	11.5	− 7.15	−0.59	−0.11	− 97.2	−14.8	+ 8.9	8.23786	−308	− 55
	12.5	− 7.74	−0.79	−0.20	−112.0	− 4.9	+ 9.9	8.23478	−340	− 32
	13.5	− 8.53			−116.9			8.23138		
Juni	26.5	+ 3.18	+1.17		+146.7	− 2.6		8.20255	+371	
	27.5	+ 4.35	+0.70	−0.47	+144.1	− 4.0	− 1.4	8.20626	+492	+121
	28.5	+ 5.05	+0.16	−0.54	+140.1	− 5.0	− 1.0	8.21118	+593	+101
	29.5	+ 5.21	−0.51	−0.67	+135.1	− 6.7	− 1.7	8.21711	+655	+ 62
	30.5	+ 4.70	−1.18	−0.67	+128.4	− 9.9	− 3.2	8.22366	+673	+ 18
Juli	1.5	+ 3.52	−1.89	−0.71	+118.5	−15.8	− 5.9	8.23039	+638	− 35
	2.5	+ 1.63	−2.19	−0.30	+102.7	−23.8	− 8.0	8.23677	+545	− 93
	3.5	− 0.56	−2.14	+0.05	+ 78.9	−32.2	− 8.4	8.24222	+402	−143
	4.5	− 2.70	−1.79	+0.35	+ 46.7	−38.2	− 6.0	8.24624	+222	−180
	5.5	− 4.49	−1.37	+0.42	+ 8.5	−39.8	− 1.6	8.24846	+ 30	−192
	6.5	− 5.86	−1.03	+0.34	− 31.3	−36.7	+ 3.1	8.24876	−154	−184
	7.5	− 6.89	−0.87	+0.16	− 68.0	−29.5	+ 7.2	8.24722	−310	−156
	8.5	− 7.76	−0.87	0.00	− 97.5	−19.6	+ 9.9	8.24412	−419	−109
	9.5	− 8.63	−0.94	−0.07	−117.1	− 8.2	+11.4	8.23993	−488	− 69
	10.5	− 9.57	−1.06	−0.12	−125.3	+ 3.6	+11.8	8.23505	−513	− 25
	11.5	−10.63	−1.05	+0.01	−121.7	+14.9	+11.3	8.22992	−510	+ 3
	12.5	−11.68			−106.8			8.22482		
Juli	26.5	+ 5.34	+0.08		+133.5	− 7.5		8.21053	+593	
	27.5	+ 5.42	−0.52	−0.60	+126.0	− 9.1	− 1.6	8.21646	+674	+ 81
	28.5	+ 4.90	−1.14	−0.62	+116.9	−12.4	− 3.3	8.22320	+718	+ 44
	29.5	+ 3.76	−1.68	−0.54	+104.5	−17.9	− 5.5	8.23038	+709	− 9
	30.5	+ 2.08	−1.99	−0.31	+ 86.6	−25.2	− 7.3	8.23747	+640	− 69
	31.5	+ 0.09	−1.99	0.00	+ 61.4	−32.8	− 7.6	8.24387	+506	−134
Aug.	1.5	− 1.90	−1.81	+0.18	+ 28.6	−38.0	− 5.2	8.24893	+318	−188
	2.5	− 3.71	−1.59	+0.22	− 9.4	−39.1	− 1.1	8.25211	+ 94	−224
	3.5	− 5.30		+0.15	− 48.5		+ 3.9	8.25305		−227

Mittlere Zeit Greenwich	$\alpha_{☾} - \alpha_k$			$\delta_{☾} - \delta_k$			log sin p_k		
Aug. 3.5	− 5.30 s	−1.44 s	+0.15 s	− 48.5″	−35.2″	+ 3.9″	8.25305	−133	−227
4.5	− 6.74	−1.40	+0.04	− 83.7	−26.7	+ 8.5	8.25172	−340	−207
5.5	− 8.14	−1.44	−0.04	−110.4	−15.1	+11.6	8.24832	−500	−160
6.5	− 9.58	−1.48	−0.04	−125.5	− 1.8	+13.3	8.24332	−602	−102
7.5	−11.06	−1.44	+0.04	−127.3	+11.5	+13.3	8.23730	−647	− 45
8.5	−12.50	−1.17	+0.27	−115.8	+23.5	+12.0	8.23083	−643	+ 4
9.5	−13.67	−0.67	+0.50	− 92.3	+32.9	+ 9.4	8.22440	−601	+ 42
10.5	−14.34	+0.05	+0.72	− 59.4	+38.5	+ 5.6	8.21839	−536	+ 65
11.5	−14.29			− 20.9			8.21303		
Aug. 24.5	+ 4.81	−0.49		+116.3	−12.5		8.21559	+628	
25.5	+ 4.32	−0.93	−0.44	+103.8	−15.5	− 3.0	8.22187	+684	+ 56
26.5	+ 3.39	−1.28	−0.35	+ 88.3	−20.0	− 4.5	8.22871	+701	+ 17
27.5	+ 2.11	−1.50	−0.22	+ 68.3	−25.8	− 5.8	8.23572	+664	− 37
28.5	+ 0.61	−1.58	−0.08	+ 42.5	−31.3	− 5.5	8.24236	+567	− 97
29.5	− 0.97	−1.61	−0.03	+ 11.2	−35.0	− 3.7	8.24803	+407	−160
30.5	− 2.58	−1.63	−0.02	− 23.8	−35.3	− 0.3	8.25210	+195	−212
31.5	− 4.21	−1.73	−0.10	− 59.1	−31.1	+ 4.2	8.25405	− 43	−238
Sept. 1.5	− 5.94	−1.87	−0.14	− 90.2	−22.2	+ 8.9	8.25362	−278	−235
2.5	− 7.81	−2.00	−0.13	−112.4	−10.1	+12.1	8.25084	−476	−198
3.5	− 9.81	−2.02	−0.02	−122.5	+ 4.6	+14.7	8.24608	−622	−146
4.5	−11.83	−1.80	+0.22	−117.9	+18.7	+14.1	8.23986	−702	− 80
5.5	−13.63	−1.26	+0.54	− 99.2	+30.7	+12.0	8.23284	−717	− 15
6.5	−14.89	−0.44	+0.82	− 68.5	+38.7	+ 8.0	8.22567	−683	+ 34
7.5	−15.33	+0.53	+0.97	− 29.8	+41.6	+ 2.9	8.21884	−612	+ 71
8.5	−14.80	+1.42	+0.89	+ 11.8	+40.0	− 1.6	8.21272	−514	+ 98
9.5	−13.38			+ 51.8			8.20758		
Sept. 23.5	+ 2.14	−0.82		+ 69.4	−22.8		8.22718	+601	
24.5	+ 1.32	−0.93	−0.11	+ 46.6	−26.1	− 3.3	8.23319	+590	− 11
25.5	+ 0.39	−1.04	−0.11	+ 20.5	−28.9	− 2.8	8.23909	+531	− 59
26.5	− 0.65	−1.20	−0.16	− 8.4	−30.3	− 1.4	8.24440	+418	−113
27.5	− 1.85	−1.45	−0.25	− 38.7	−29.0	+ 1.3	8.24858	+255	−163
28.5	− 3.30	−1.74	−0.29	− 67.7	−24.4	+ 4.6	8.25113	+ 52	−203
29.5	− 5.04	−2.08	−0.34	− 92.1	−15.6	+ 8.8	8.25165	−169	−221
30.5	− 7.12	−2.32	−0.24	−107.7	− 3.4	+12.2	8.24996	−375	−206
Okt. 1.5	− 9.44	−2.34	−0.02	−111.1	+11.0	+14.4	8.24621	−548	−173
2.5	−11.78	−1.98	+0.36	−100.1	+25.1	+14.1	8.24073	−658	−110
3.5	−13.76	−1.23	+0.75	− 75.0	+36.0	+10.9	8.23415	−710	− 52
4.5	−14.99	−0.17	+1.06	− 39.0	+42.1	+ 6.1	8.22705	−701	+ 9
5.5	−15.16	+0.91	+1.08	+ 3.1	+42.0	− 0.1	8.22004	−645	+ 56
6.5	−14.25	+1.77	+0.86	+ 45.1	+37.9	− 4.1	8.21359	−551	+ 94
7.5	−12.48	+2.28	+0.51	+ 83.0	+30.9	− 7.0	8.20808	−433	+118
8.5	−10.20	+2.46	+0.18	+113.9	+23.0	− 7.9	8.20375	−307	+126
9.5	− 7.74			+136.9			8.20068		

Mittlere Zeit Greenwich	$\alpha_☾ - \alpha_k$			$\delta_☾ - \delta_k$			$\log \sin p_k$		
Okt. 23.5	− 0.72 s	−0.58 s		− 5.9″	−26.4″		8.23631	+389	
24.5	− 1.30	−0.80	−0.22 s	− 32.3	−24.9	+ 1.5″	8.24020	+319	− 70
25.5	− 2.10	−1.13	−0.33	− 57.2	−21.5	+ 3.4	8.24339	+211	−108
26.5	− 3.23	−1.56	−0.43	− 78.7	−15.7	+ 5.8	8.24550	+ 70	−141
27.5	− 4.79	−1.97	−0.41	− 94.4	− 6.8	+ 8.9	8.24620	− 95	−165
28.5	− 6.76	−2.27	−0.30	−101.2	+ 4.8	+11.6	8.24525	−267	−172
29.5	− 9.03	−2.28	−0.01	− 96.4	+18.1	+13.3	8.24258	−424	−157
30.5	−11.31	−1.83	+0.45	− 78.3	+30.9	+12.8	8.23834	−545	−121
31.5	−13.14	−0.95	+0.88	− 47.4	+39.0	+ 8.1	8.23289	−619	− 74
Nov. 1.5	−14.09	+0.16	+1.11	− 8.4	+42.8	+ 3.8	8.22670	−643	− 24
2.5	−13.93	+1.20	+1.04	+ 34.4	+40.5	− 2.3	8.22027	−613	+ 30
3.5	−12.73	+1.93	+0.73	+ 74.9	+34.3	− 6.2	8.21414	−540	+ 73
4.5	−10.80	+2.30	+0.37	+109.2	+26.2	− 8.1	8.20874	−434	+106
5.5	− 8.50	+2.37	+0.07	+135.4	+17.8	− 8.4	8.20440	−308	+126
6.5	− 6.13	+2.24	−0.13	+153.2	+10.3	− 7.5	8.20132	−170	+138
7.5	− 3.89			+163.5			8.19962		
Nov. 21.5	− 2.76	−0.62		− 59.2	−19.8		8.23792	+123	
22.5	− 3.38	−0.95	−0.33	− 79.0	−13.9	+ 5.9	8.23915	+ 57	− 66
23.5	− 4.33	−1.34	−0.39	− 92.9	− 6.2	+ 7.7	8.23972	− 23	− 80
24.5	− 5.67	−1.73	−0.39	− 99.1	+ 3.4	+ 9.6	8.23949	−120	− 97
25.5	− 7.40	−1.94	−0.21	− 95.7	+14.2	+10.8	8.23829	−226	−106
26.5	− 9.34	−1.82	+0.12	− 81.5	+25.6	+11.4	8.23603	−334	−108
27.5	−11.16	−1.28	+0.54	− 55.9	+35.3	+ 9.7	8.23269	−426	− 92
28.5	−12.44	−0.38	+0.90	− 20.6	+41.0	+ 5.7	8.22843	−493	− 67
29.5	−12.82	+0.63	+1.01	+ 20.4	+41.5	+ 0.5	8.22350	−528	− 35
30.5	−12.19	+1.45	+0.82	+ 61.9	+37.0	− 4.5	8.21822	−521	+ 7
Dez. 1.5	−10.74	+2.02	+0.57	+ 98.9	+29.7	− 7.3	8.21301	−477	+ 44
2.5	− 8.72	+2.22	+0.20	+128.6	+21.2	− 8.5	8.20824	−393	+ 84
3.5	− 6.50	+2.20	−0.02	+149.8	+12.8	− 8.4	8.20431	−284	+109
4.5	− 4.30	+2.03	−0.17	+162.6	+ 5.7	− 7.1	8.20147	−155	+129
5.5	− 2.27	+1.76	−0.27	+168.3	− 0.1	− 5.8	8.19992	− 13	+142
6.5	− 0.51			+168.2			8.19979		
Dez. 21.5	− 6.37	−1.32		−105.6	+ 3.2		8.23642	−208	
22.5	− 7.69	−1.51	−0.19	−102.4	+13.5	+10.3	8.23434	−249	− 41
23.5	− 9.20	−1.47	+0.04	− 88.9	+23.8	+10.3	8.23185	−288	− 39
24.5	−10.67	−1.10	+0.37	− 65.1	+32.9	+ 9.1	8.22897	−329	− 41
25.5	−11.77	−0.47	+0.63	− 32.2	+39.0	+ 6.1	8.22568	−366	− 37
26.5	−12.24	+0.40	+0.87	+ 6.8	+40.9	+ 1.9	8.22202	−398	− 32
27.5	−11.84	+1.21	+0.81	+ 47.7	+38.3	− 2.6	8.21804	−414	− 16
28.5	−10.63	+1.78	+0.57	+ 86.0	+32.2	− 6.1	8.21390	−406	+ 8
29.5	− 8.85	+2.07	+0.29	+118.2	+24.2	− 8.0	8.20984	−376	+ 30
30.5	− 6.78	+2.12	+0.05	+142.4	+15.8	− 8.4	8.20608	−317	+ 59
31.5	− 4.66			+158.2			8.20291		

Merkur 1917

Mittlere Zeit Greenwich	Scheinbare Rektaszension h m s	Diff. m s	Scheinbare Deklination ° ′ ″	Diff. ′ ″	log Δ	Diff.	Zeit der oberen Kulmination h m
Jan. 1.0	20 8 54.65	4 34.07	−21 30 48.2	24 21.9	0.013017	10819	1 26.7
2.0	20 13 28.72	4 10.33	21 6 26.3	24 40.0	0.002198	11328	1 27.3
3.0	20 17 39.05	3 43.56	20 41 46.3	24 43.0	9.990870	11815	1 27.5
4.0	20 21 22.61	3 13.56	20 17 3.3	24 28.8	9.979055	12266	1 27.2
5.0	20 24 36.17	2 40.20	19 52 34.5	23 55.6	9.966789	12661	1 26.5
6.0	20 27 16.37	2 3.45	19 28 38.9	23 2.3	9.954128	12977	1 25.2
7.0	20 29 19.82	1 23.36	−19 5 36.6	21 47.7	9.941151	13188	1 23.3
8.0	20 30 43.18	0 40.24	18 43 48.9	20 11.6	9.927963	13268	1 20.7
9.0	20 31 23.42	0 5.40	18 23 37.3	18 14.5	9.914695	13185	1 17.4
10.0	20 31 18.02	0 52.84	18 5 22.8	15 58.0	9.901510	12909	1 13.3
11.0	20 30 25.18	1 40.96	17 49 24.8	13 25.1	9.888601	12416	1 8.5
12.0	20 28 44.22	2 28.42	17 35 59.7	10 39.6	9.876185	11683	1 2.9
13.0	20 26 15.80	3 13.60	−17 25 20.1	7 46.4	9.864502	10704	0 56.4
14.0	20 23 2.20	3 54.70	17 17 33.7	4 51.4	9.853798	9480	0 49.2
15.0	20 19 7.50	4 29.94	17 12 42.3	2 0.7	9.844318	8033	0 41.4
16.0	20 14 37.56	4 57.64	17 10 41.6	0 40.4	9.836285	6400	0 33.0
17.0	20 9 39.92	5 16.51	17 11 22.0	3 6.8	9.829885	4635	0 24.2
18.0	20 4 23.41	5 25.76	17 14 28.8	5 15.2	9.825250	2801	0 15.0
19.0	19 58 57.65	5 25.22	−17 19 44.0	7 3.8	9.822449	962	{ 0 5.7 { 23 56.4
20.0	19 53 32.43	5 15.34	17 26 47.8	8 31.9	9.821487	812	23 47.3
21.0	19 48 17.09	4 57.10	17 35 19.7	9 40.7	9.822299	2467	23 38.4
22.0	19 43 19.99	4 31.86	17 45 0.4	10 31.3	9.824766	3960	23 30.0
23.0	19 38 48.13	4 1.23	17 55 31.7	11 6.0	9.828726	5263	23 22.1
24.0	19 34 46.90	3 26.79	18 6 37.7	11 26.6	9.833989	6365	23 14.7
25.0	19 31 20.11	2 50.10	−18 18 4.3	11 35.2	9.840354	7265	23 7.9
26.0	19 28 30.01	2 12.39	18 29 39.5	11 33.5	9.847619	7974	23 1.8
27.0	19 26 17.62	1 34.79	18 41 13.0	11 22.6	9.855593	8506	22 56.2
28.0	19 24 42.83	0 58.07	18 52 35.6	11 3.9	9.864099	8885	22 51.3
29.0	19 23 44.76	0 22.84	19 3 39.5	10 38.3	9.872984	9131	22 47.0
30.0	19 23 21.92	0 10.53	19 14 17.8	10 6.6	9.882115	9263	22 43.2
31.0	19 23 32.45	0 41.80	−19 24 24.4	9 29.3	9.891378	9304	22 39.9
Febr. 1.0	19 24 14.25	1 10.89	19 33 53.7	8 47.2	9.900682	9270	22 37.2
2.0	19 25 25.14	1 37.78	19 42 40.9	8 0.5	9.909952	9177	22 34.8
3.0	19 27 2.92	2 2.52	19 50 41.4	7 10.1	9.919129	9037	22 32.9
4.0	19 29 5.44	2 25.20	19 57 51.5	6 16.2	9.928166	8864	22 31.3
5.0	19 31 30.64	2 45.94	20 4 7.7	5 19.0	9.937030	8662	22 30.1
6.0	19 34 16.58	3 4.88	−20 9 26.7	4 19.1	9.945692	8444	22 29.3
7.0	19 37 21.46	3 22.14	20 13 45.8	3 16.6	9.954136	8213	22 28.7
8.0	19 40 43.60	3 37.88	20 17 2.4	2 12.0	9.962349	7973	22 28.4
9.0	19 44 21.48	3 52.22	20 19 14.4	1 5.6	9.970322	7728	22 28.3
10.0	19 48 13.70	4 5.28	20 20 20.0	0 2.8	9.978050	7485	22 28.4
11.0	19 52 18.98		20 20 17.2		9.985535		22 28.7

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
Febr. 11.0	19 52 18.98	4 17.16	−20 20 17.2	1 12.6	9.985535	7240	22 28.7
12.0	19 56 36.14	4 28.02	20 19 4.6	2 23.5	9.992775	6999	22 29.2
13.0	20 1 4.16	4 37.89	20 16 41.1	3 35.8	9.999774	6763	22 29.9
14.0	20 5 42.05	4 46.91	20 13 5.3	4 48.8	0.006537	6530	22 30.7
15.0	20 10 28.96	4 55.15	20 8 16.5	6 2.9	0.013067	6304	22 31.7
16.0	20 15 24.11	5 2.66	20 2 13.6	7 17.5	0.019371	6083	22 32.8
17.0	20 20 26.77	5 9.54	−19 54 56.1	8 32.8	0.025454	5868	22 34.0
18.0	20 25 36.31	5 15.84	19 46 23.3	9 48.6	0.031322	5661	22 35.3
19.0	20 30 52.15	5 21.59	19 36 34.7	11 4.7	0.036983	5459	22 36.8
20.0	20 36 13.74	5 26.88	19 25 30.0	12 21.2	0.042442	5264	22 38.3
21.0	20 41 40.62	5 31.73	19 13 8.8	13 37.9	0.047706	5076	22 39.8
22.0	20 47 12.35	5 36.22	18 59 30.9	14 55.0	0.052782	4892	22 41.5
23.0	20 52 48.57	5 40.33	−18 44 35.9	16 12.0	0.057674	4714	22 43.2
24.0	20 58 28.90	5 44.16	18 28 23.9	17 29.2	0.062388	4543	22 45.0
25.0	21 4 13.06	5 47.69	18 10 54.7	18 46.4	0.066931	4376	22 46.9
26.0	21 10 0.75	5 50.99	17 52 8.3	20 3.9	0.071307	4214	22 48.8
27.0	21 15 51.74	5 54.07	17 32 4.4	21 21.1	0.075521	4055	22 50.7
28.0	21 21 45.81	5 56.97	17 10 43.3	22 38.4	0.079576	3902	22 52.7
März 1.0	21 27 42.78	5 59.71	−16 48 4.9	23 55.6	0.083478	3751	22 54.8
2.0	21 33 42.49	6 2.31	16 24 9.3	25 12.9	0.087229	3604	22 56.9
3.0	21 39 44.80	6 4.79	15 58 56.4	26 29.9	0.090833	3459	22 59.0
4.0	21 45 49.59	6 7.18	15 32 26.5	27 46.9	0.094292	3316	23 1.2
5.0	21 51 56.77	6 9.49	15 4 39.6	29 3.6	0.097608	3175	23 3.4
6.0	21 58 6.26	6 11.75	14 35 36.0	30 20.3	0.100783	3034	23 5.7
7.0	22 4 18.01	6 13.97	−14 5 15.7	31 36.8	0.103817	2895	23 8.0
8.0	22 10 31.98	6 16.18	13 33 38.9	32 52.9	0.106712	2755	23 10.3
9.0	22 16 48.16	6 18.36	13 0 46.0	34 8.9	0.109467	2615	23 12.7
10.0	22 23 6.52	6 20.59	12 26 37.1	35 24.6	0.112082	2472	23 15.1
11.0	22 29 27.11	6 22.83	11 51 12.5	36 40.0	0.114554	2329	23 17.5
12.0	22 35 49.94	6 25.10	11 14 32.5	37 54.8	0.116883	2183	23 20.0
13.0	22 42 15.04	6 27.44	−10 36 37.7	39 9.4	0.119066	2032	23 22.5
14.0	22 48 42.48	6 29.85	9 57 28.3	40 23.3	0.121098	1878	23 25.1
15.0	22 55 12.33	6 32.32	9 17 5.0	41 36.6	0.122976	1719	23 27.7
16.0	23 1 44.65	6 34.89	8 35 28.4	42 49.4	0.124695	1553	23 30.3
17.0	23 8 19.54	6 37.55	7 52 39.0	44 1.0	0.126248	1380	23 33.0
18.0	23 14 57.09	6 40.32	7 8 38.0	45 11.8	0.127628	1199	23 35.7
19.0	23 21 37.41	6 43.19	− 6 23 26.2	46 21.4	0.128827	1009	23 38.5
20.0	23 28 20.60	6 46.16	5 37 4.8	47 29.5	0.129836	807	23 41.3
21.0	23 35 6.76	6 49.23	4 49 35.3	48 36.0	0.130643	595	23 44.2
22.0	23 41 55.99	6 52.42	4 0 59.3	49 40.4	0.131238	369	23 47.2
23.0	23 48 48.41	6 55.69	3 11 18.9	50 42.6	0.131607	128	23 50.2
24.0	23 55 44.10		2 20 36.3		0.131735	—	23 53.2

Mittlere Zeit Greenwich	Scheinbare Rektaszension h m s	Diff. m s	Scheinbare Deklination ° ′ ″	Diff. ′ ″	log Δ	Diff.	Zeit der oberen Kulmination h m
März 24.0	23 55 44.10	6 59.02	− 2 20 36.3	51 42.0	0.131735	129	23 53.2
25.0	0 2 43.12	7 2.42	1 28 54.3	52 38.1	0.131606	403	23 56.3
26.0	0 9 45.54	7 5.83	− 0 36 16.2	53 30.4	0.131203	696	23 59.5
27.0	0 16 51.37	7 9.24	+ 0 17 14.2	54 18.4	0.130507	1009	—
28.0	0 24 0.61	7 12.58	1 11 32.6	55 1.0	0.129498	1344	0 2.7
29.0	0 31 13.19	7 15.80	2 6 33.6	55 37.8	0.128154	1701	0 6.0
30.0	0 38 28.99	7 18.84	+ 3 2 11.4	56 7.8	0.126453	2083	0 9.3
31.0	0 45 47.83	7 21.61	3 58 19.2	56 29.9	0.124370	2486	0 12.7
April 1.0	0 53 9.44	7 24.02	4 54 49.1	56 43.4	0.121884	2914	0 16.1
2.0	1 0 33.46	7 25.97	5 51 32.5	56 47.1	0.118970	3365	0 19.6
3.0	1 7 59.43	7 27.35	6 48 19.6	56 40.2	0.115605	3837	0 23.1
4.0	1 15 26.78	7 28.04	7 44 59.8	56 21.7	0.111768	4329	0 26.6
5.0	1 22 54.82	7 27.94	+ 8 41 21.5	55 50.9	0.107439	4836	0 30.1
6.0	1 30 22.76	7 26.92	9 37 12.4	55 7.3	0.102603	5357	0 33.7
7.0	1 37 49.68	7 24.87	10 32 19.7	54 10.5	0.097246	5886	0 37.2
8.0	1 45 14.55	7 21.73	11 26 30.2	53 0.3	0.091360	6418	0 40.7
9.0	1 52 36.28	7 17.39	12 19 30.5	51 37.1	0.084942	6949	0 44.1
10.0	1 59 53.67	7 11.81	13 11 7.6	50 1.3	0.077993	7470	0 47.4
11.0	2 7 5.48	7 4.97	+14 1 8.9	48 13.8	0.070523	7981	0 50.7
12.0	2 14 10.45	6 56.85	14 49 22.7	46 15.5	0.062542	8471	0 53.8
13.0	2 21 7.30	6 47.48	15 35 38.2	44 7.8	0.054071	8941	0 56.8
14.0	2 27 54.78	6 36.88	16 19 46.0	41 51.7	0.045130	9382	0 59.7
15.0	2 34 31.66	6 25.10	17 1 37.7	39 28.9	0.035748	9794	1 2.4
16.0	2 40 56.76	6 12.21	17 41 6.6	37 0.7	0.025954	10173	1 4.8
17.0	2 47 8.97	5 58.27	+18 18 7.3	34 28.2	0.015781	10516	1 7.1
18.0	2 53 7.24	5 43.36	18 52 35.5	31 52.8	0.005265	10825	1 9.1
19.0	2 58 50.60	5 27.51	19 24 28.3	29 15.5	9.994440	11095	1 10.9
20.0	3 4 18.11	5 10.81	19 53 43.8	26 37.2	9.983345	11329	1 12.4
21.0	3 9 28.92	4 53.34	20 20 21.0	23 58.5	9.972016	11523	1 13.6
22.0	3 14 22.26	4 35.12	20 44 19.5	21 20.0	9.960493	11680	1 14.5
23.0	3 18 57.38	4 16.22	+21 5 39.5	18 42.2	9.948813	11797	1 15.1
24.0	3 23 13.60	3 56.71	21 24 21.7	16 5.3	9.937016	11875	1 15.5
25.0	3 27 10.31	3 36.63	21 40 27.0	13 29.6	9.925141	11911	1 15.4
26.0	3 30 46.94	3 16.04	21 53 56.6	10 55.3	9.913230	11906	1 15.1
27.0	3 34 2.98	2 55.01	22 4 51.9	8 22.4	9.901324	11859	1 14.4
28.0	3 36 57.99	2 33.62	22 13 14.3	5 50.8	9.889465	11766	1 13.4
29.0	3 39 31.61	2 11.94	+22 19 5.1	3 21.0	9.877699	11627	1 12.0
30.0	3 41 43.55	1 50.09	22 22 26.1	0 52.6	9.866072	11439	1 10.2
Mai 1.0	3 43 33.64	1 28.18	22 23 18.7	1 33.9	9.854633	11199	1 8.1
2.0	3 45 1.82	1 6.32	22 21 44.8	3 58.1	9.843434	10908	1 5.6
3.0	3 46 8.14	0 44.69	22 17 46.7	6 20.0	9.832526	10560	1 2.7
4.0	3 46 52.83		22 11 26.7		9.821966		0 59.5

Mittlere Zeit Greenwich		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
		h m s	m s	° ′ ″	′ ″			h m
Mai	4.0	3 46 52.83	0 23.45	+22 11 26.7	8 38.6	9.821966	10155	0 59.5
	5.0	3 47 16.28	0 2.82	22 2 48.1	10 53.6	9.811811	9692	0 56.0
	6.0	3 47 19.10	0 17.02	21 51 54.5	13 3.7	9.802119	9168	0 52.1
	7.0	3 47 2.08	0 35.86	21 38 50.8	15 7.9	9.792951	8586	0 47.9
	8.0	3 46 26.22	0 53.45	21 23 42.9	17 5.0	9.784365	7943	0 43.3
	9.0	3 45 32.77	1 9.58	21 6 37.9	18 53.3	9.776422	7246	0 38.5
	10.0	3 44 23.19	1 24.00	+20 47 44.6	20 31.7	9.769176	6495	0 33.4
	11.0	3 42 59.19	1 36.55	20 27 12.9	21 57.9	9.762681	5695	0 28.1
	12.0	3 41 22.64	1 47.02	20 5 15.0	23 11.0	9.756986	4853	0 22.5
	13.0	3 39 35.62	1 55.29	19 42 4.0	24 8.9	9.752133	3977	0 16.8
	14.0	3 37 40.33	2 1.25	19 17 55.1	24 50.6	9.748156	3074	0 11.0
	15.0	3 35 39.08	2 4.82	18 53 4.5	25 15.2	9.745082	2155	0 5.1 / 23 59.1
	16.0	3 33 34.26	2 6.01	+18 27 49.3	25 21.6	9.742927	1228	23 53.0
	17.0	3 31 28.25	2 4.87	18 2 27.7	25 9.9	9.741699	305	23 47.0
	18.0	3 29 23.38	2 1.48	17 37 17.8	24 39.9	9.741394	606	23 41.1
	19.0	3 27 21.90	1 55.92	17 12 37.9	23 52.6	9.742000	1494	23 35.3
	20.0	3 25 25.98	1 48.42	16 48 45.3	22 48.4	9.743494	2352	23 29.5
	21.0	3 23 37.56	1 39.11	16 25 56.9	21 29.2	9.745846	3172	23 23.9
	22.0	3 21 58.45	1 28.22	+16 4 27.7	19 56.2	9.749018	3949	23 18.5
	23.0	3 20 30.23	1 15.95	15 44 31.5	18 11.4	9.752967	4676	23 13.4
	24.0	3 19 14.28	1 2.52	15 26 20.1	16 16.7	9.757643	5351	23 8.4
	25.0	3 18 11.76	0 48.12	15 10 3.4	14 13.9	9.762994	5974	23 3.6
	26.0	3 17 23.64	0 32.97	14 55 49.5	12 5.2	9.768968	6541	22 59.1
	27.0	3 16 50.67	0 17.23	14 43 44.3	9 52.3	9.775509	7053	22 54.9
	28.0	3 16 33.44	0 1.09	+14 33 52.0	7 37.0	9.782562	7514	22 51.0
	29.0	3 16 32.35	0 15.35	14 26 15.0	5 20.8	9.790076	7923	22 47.3
	30.0	3 16 47.70	0 31.93	14 20 54.2	3 5.1	9.797999	8283	22 43.9
	31.0	3 17 19.63	0 48.58	14 17 49.1	0 51.2	9.806282	8598	22 40.7
Juni	1.0	3 18 8.21	1 5.19	14 16 57.9	1 20.0	9.814880	8870	22 37.8
	2.0	3 19 13.40	1 21.74	14 18 17.9	3 27.5	9.823750	9101	22 35.3
	3.0	3 20 35.14	1 38.14	+14 21 45.4	5 30.7	9.832851	9298	22 32.9
	4.0	3 22 13.28	1 54.37	14 27 16.1	7 29.0	9.842149	9459	22 30.9
	5.0	3 24 7.65	2 10.44	14 34 45.1	9 21.8	9.851608	9590	22 29.1
	6.0	3 26 18.09	2 26.33	14 44 6.9	11 9.0	9.861198	9694	22 27.6
	7.0	3 28 44.42	2 42.02	14 55 15.9	12 50.1	9.870892	9771	22 26.3
	8.0	3 31 26.44	2 57.53	15 8 6.0	14 24.9	9.880663	9824	22 25.3
	9.0	3 34 23.97	3 12.89	+15 22 30.9	15 53.3	9.890487	9857	22 24.6
	10.0	3 37 36.86	3 28.12	15 38 24.2	17 15.1	9.900344	9870	22 24.1
	11.0	3 41 4.98	3 43.20	15 55 39.3	18 30.2	9.910214	9862	22 23.9
	12.0	3 44 48.18	3 58.22	16 14 9.5	19 38.4	9.920076	9840	22 23.9
	13.0	3 48 46.40	4 13.17	16 33 47.9	20 39.6	9.929916	9798	22 24.1
	14.0	3 52 59.57		16 54 27.5		9.939714		22 24.6

Mittlere Zeit Greenwich		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
		h m s	m s	° ′ ″	′ ″			h m
Juni	14.0	3 52 59.57	4 28.07	+16 54 27.5	21 33.9	9.939714	9743	22 24.6
	15.0	3 57 27.64	4 43.00	17 16 1.4	22 20.8	9.949457	9671	22 25.4
	16.0	4 2 10.64	4 57.92	17 38 22.2	23 0.2	9.959128	9584	22 26.4
	17.0	4 7 8.56	5 12.90	18 1 22.4	23 32.0	9.968712	9482	22 27.7
	18.0	4 12 21.46	5 27.94	18 24 54.4	23 55.8	9.978194	9363	22 29.2
	19.0	4 17 49.40	5 43.06	18 48 50.2	24 11.5	9.987557	9228	22 30.9
	20.0	4 23 32.46	5 58.27	+19 13 1.7	24 18.4	9.996785	9077	22 32.9
	21.0	4 29 30.73	6 13.53	19 37 20.1	24 16.4	0.005862	8907	22 35.2
	22.0	4 35 44.26	6 28.88	20 1 36.5	24 5.0	0.014769	8718	22 37.7
	23.0	4 42 13.14	6 44.25	20 25 41.5	23 43.6	0.023487	8509	22 40.5
	24.0	4 48 57.39	6 59.61	20 49 25.1	23 11.9	0.031996	8279	22 43.6
	25.0	4 55 57.00	7 14.88	21 12 37.0	22 29.4	0.040275	8026	22 46.9
	26.0	5 3 11.88	7 29.99	+21 35 6.4	21 35.4	0.048301	7749	22 50.4
	27.0	5 10 41.87	7 44.84	21 56 41.8	20 30.0	0.056050	7448	22 54.2
	28.0	5 18 26.71	7 59.28	22 17 11.8	19 12.5	0.063498	7121	22 58.3
	29.0	5 26 25.99	8 13.20	22 36 24.3	17 42.8	0.070619	6770	23 2.5
	30.0	5 34 39.19	8 26.41	22 54 7.1	16 1.1	0.077389	6392	23 7.1
Juli	1.0	5 43 5.60	8 38.75	23 10 8.2	14 7.7	0.083781	5991	23 11.8
	2.0	5 51 44.35	8 50.02	+23 24 15.9	12 2.9	0.089772	5567	23 16.7
	3.0	6 0 34.37	9 0.08	23 36 18.8	9 47.6	0.095339	5122	23 21.7
	4.0	6 9 34.45	9 8.73	23 46 6.4	7 22.9	0.100461	4660	23 27.0
	5.0	6 18 43.18	9 15.84	23 53 29.3	4 50.3	0.105121	4184	23 32.3
	6.0	6 27 59.02	9 21.29	23 58 19.6	2 11.1	0.109305	3700	23 37.7
	7.0	6 37 20.31	9 25.02	24 0 30.7	0 32.7	0.113005	3210	23 43.2
	8.0	6 46 45.33	9 26.98	+23 59 58.0	3 18.9	0.116215	2720	23 48.8
	9.0	6 56 12.31	9 27.20	23 56 39.1	6 6.1	0.118935	2235	23 54.3
	10.0	7 5 39.51	9 25.73	23 50 33.0	8 51.9	0.121170	1759	23 59.8
	11.0	7 15 5.24	9 22.65	23 41 41.1	11 34.8	0.122929	1297	—
	12.0	7 24 27.89	9 18.14	23 30 6.3	14 13.2	0.124226	850	0 5.2
	13.0	7 33 46.03	9 12.30	23 15 53.1	16 45.7	0.125076	423	0 10.6
	14.0	7 42 58.33	9 5.33	+22 59 7.4	19 11.2	0.125499	17	0 15.9
	15.0	7 52 3.66	8 57.38	22 39 56.2	21 29.0	0.125516	368	0 21.1
	16.0	8 1 1.04	8 48.64	22 18 27.2	23 38.3	0.125148	729	0 26.1
	17.0	8 9 49.68	8 39.25	21 54 48.9	25 39.1	0.124419	1067	0 31.0
	18.0	8 18 28.93	8 29.39	21 29 9.8	27 31.0	0.123352	1384	0 35.7
	19.0	8 26 58.32	8 19.17	21 1 38.8	29 13.9	0.121968	1678	0 40.3
	20.0	8 35 17.49	8 8.73	+20 32 24.9	30 48.4	0.120290	1953	0 44.6
	21.0	8 43 26.22	7 58.15	20 1 36.5	32 14.3	0.118337	2208	0 48.9
	22.0	8 51 24.37	7 47.54	19 29 22.2	33 32.1	0.116129	2446	0 52.9
	23.0	8 59 11.91	7 36.96	18 55 50.1	34 42.1	0.113683	2668	0 56.7
	24.0	9 6 48.87	7 26.46	18 21 8.0	35 44.8	0.111015	2874	1 0.4
	25.0	9 14 15.33		17 45 23.2		0.108141		1 3.9

Mittlere Zeit Greenwich	Scheinbare Rektaszension h m s	m s	Scheinbare Deklination ° ′ ″	′ ″	log Δ		Zeit der oberen Kulmination h m
Juli 25.0	9 14 15.33	7 16.08	+17 45 23.2	36 40.4	0.108141	3068	1 3.9
26.0	9 21 31.41	7 5.90	17 8 42.8	37 29.5	0.105073	3250	1 7.2
27.0	9 28 37.31	6 55.89	16 31 13.3	38 12.5	0.101823	3420	1 10.4
28.0	9 35 33.20	6 46.08	15 53 0.8	38 49.4	0.098403	3583	1 13.4
29.0	9 42 19.28	6 36.50	15 14 11.4	39 21.0	0.094820	3736	1 16.2
30.0	9 48 55.78	6 27.13	14 34 50.4	39 47.3	0.091084	3884	1 18.9
31.0	9 55 22.91	6 17.99	+13 55 3.1	40 8.9	0.087200	4024	1 21.4
Aug. 1.0	10 1 40.90	6 9.04	13 14 54.2	40 25.8	0.083176	4161	1 23.7
2.0	10 7 49.94	6 0.33	12 34 28.4	40 38.4	0.079015	4293	1 25.9
3.0	10 13 50.27	5 51.79	11 53 50.0	40 47.0	0.074722	4421	1 28.0
4.0	10 19 42.06	5 43.43	11 13 3.0	40 51.5	0.070301	4548	1 29.9
5.0	10 25 25.49	5 35.24	10 32 11.5	40 52.3	0.065753	4672	1 31.7
6.0	10 31 0.73	5 27.19	+ 9 51 19.2	40 49.5	0.061081	4797	1 33.3
7.0	10 36 27.92	5 19.26	9 10 29.7	40 43.3	0.056284	4919	1 34.8
8.0	10 41 47.18	5 11.44	8 29 46.4	40 33.5	0.051365	5042	1 36.2
9.0	10 46 58.62	5 3.69	7 49 12.9	40 20.4	0.046323	5166	1 37.4
10.0	10 52 2.31	4 55.99	7 8 52.5	40 3.9	0.041157	5290	1 38.5
11.0	10 56 58.30	4 48.30	6 28 48.6	39 44.2	0.035867	5416	1 39.5
12.0	11 1 46.60	4 40.63	+ 5 49 4.4	39 21.1	0.030451	5544	1 40.4
13.0	11 6 27.23	4 32.89	5 9 43.3	38 54.7	0.024907	5672	1 41.1
14.0	11 11 0.12	4 25.11	4 30 48.6	38 24.7	0.019235	5804	1 41.7
15.0	11 15 25.23	4 17.21	3 52 23.9	37 51.3	0.013431	5937	1 42.2
16.0	11 19 42.44	4 9.17	3 14 32.6	37 14.4	0.007494	6071	1 42.5
17.0	11 23 51.61	4 0.95	2 37 18.2	36 33.5	0.001423	6209	1 42.7
18.0	11 27 52.56	3 52.52	+ 2 0 44.7	35 48.7	9.995214	6348	1 42.8
19.0	11 31 45.08	3 43.82	1 24 56.0	34 59.7	9.988866	6488	1 42.7
20.0	11 35 28.90	3 34.82	0 49 56.3	34 6.3	9.982378	6629	1 42.5
21.0	11 39 3.72	3 25.45	+ 0 15 50.0	33 8.2	9.975749	6771	1 42.1
22.0	11 42 29.17	3 15.68	− 0 17 18.2	32 5.2	9.968978	6913	1 41.6
23.0	11 45 44.85	3 5.45	0 49 23.4	30 56.5	9.962065	7054	1 40.9
24.0	11 48 50.30	2 54.70	− 1 20 19.9	29 42.1	9.955011	7192	1 40.0
25.0	11 51 45.00	2 43.38	1 50 2.0	28 21.6	9.947819	7326	1 39.0
26.0	11 54 28.38	2 31.42	2 18 23.6	26 54.0	9.940493	7455	1 37.7
27.0	11 56 59.80	2 18.76	2 45 17.6	25 19.2	9.933038	7575	1 36.3
28.0	11 59 18.56	2 5.36	3 10 36.8	23 36.3	9.925463	7684	1 34.7
29.0	12 1 23.92	1 51.14	3 34 13.1	21 44.8	9.917779	7780	1 32.8
30.0	12 3 15.06	1 36.07	− 3 55 57.9	19 44.0	9.909999	7857	1 30.7
31.0	12 4 51.13	1 20.11	4 15 41.9	17 33.3	9.902142	7912	1 28.3
Sept. 1.0	12 6 11.24	1 3.20	4 33 15.2	15 11.7	9.894230	7938	1 25.7
2.0	12 7 14.44	0 45.34	4 48 26.9	12 38.8	9.886292	7931	1 22.8
3.0	12 7 59.78	0 26.55	5 1 5.7	9 53.9	9.878361	7882	1 19.6
4.0	12 8 26.33		5 10 59.6		9.870479		1 16.1

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
Sept. 4.0	12 8 26.33	0 6.85	−5 10 59.6	6 56.7	9.870479	7784	1 16.1
5.0	12 8 33.18	0 13.67	5 17 56.3	3 46.6	9.862695	7627	1 12.3
6.0	12 8 19.51	0 34.90	5 21 42.9	0 24.3	9.855068	7402	1 8.1
7.0	12 7 44.61	0 56.66	5 22 7.2	3 10.4	9.847666	7097	1 3.6
8.0	12 6 47.95	1 18.67	5 18 56.8	6 55.6	9.840569	6703	0 58.7
9.0	12 5 29.28	1 40.64	5 12 1.2	10 49.9	9.833866	6206	0 53.4
10.0	12 3 48.64	2 2.15	−5 1 11.3	14 50.4	9.827660	5600	0 47.8
11.0	12 1 46.49	2 22.69	4 46 20.9	18 53.5	9.822060	4873	0 41.9
12.0	11 59 23.80	2 41.69	4 27 27.4	22 54.1	9.817187	4021	0 35.6
13.0	11 56 42.11	2 58.51	4 4 33.3	26 46.2	9.813166	3041	0 28.9
14.0	11 53 43.60	3 12.48	3 37 47.1	30 23.2	9.810125	1938	0 22.1
15.0	11 50 31.12	3 22.92	3 7 23.9	33 37.5	9.808187	720	0 14.9
16.0	11 47 8.20	3 29.19	−2 33 46.4	36 21.1	9.807467	598	0 7.7
17.0	11 43 39.01	3 30.76	1 57 25.3	38 27.2	9.808065	1991	{0 0.3 23 52.8
18.0	11 40 8.25	3 27.22	1 18 58.1	39 48.9	9.810056	3431	23 45.5
19.0	11 36 41.03	3 18.34	−0 39 9.2	40 21.4	9.813487	4886	23 38.3
20.0	11 33 22.69	3 4.17	+0 1 12.2	40 2.4	9.818373	6318	23 31.3
21.0	11 30 18.52	2 44.88	0 41 14.6	38 50.8	9.824691	7692	23 24.6
22.0	11 27 33.64	2 20.92	+1 20 5.4	36 49.1	9.832383	8972	23 18.3
23.0	11 25 12.72	1 52.90	1 56 54.5	34 0.8	9.841355	10132	23 12.5
24.0	11 23 19.82	1 21.56	2 30 55.3	30 31.8	9.851487	11144	23 7.2
25.0	11 21 58.26	0 47.73	3 1 27.1	26 28.9	9.862631	11996	23 2.5
26.0	11 21 10.53	0 12.29	3 27 56.0	21 59.6	9.874627	12674	22 58.3
27.0	11 20 58.24	0 23.92	3 49 55.6	17 11.2	9.887301	13180	22 54.8
28.0	11 21 22.16	1 0.10	+4 7 6.8	12 11.5	9.900481	13515	22 51.8
29.0	11 22 22.26	1 35.54	4 19 18.3	7 6.8	9.913996	13688	22 49.4
30.0	11 23 57.80	2 9.59	4 26 25.1	2 3.5	9.927684	13712	22 47.6
Okt. 1.0	11 26 7.39	2 41.79	4 28 28.6	2 53.2	9.941396	13603	22 46.3
2.0	11 28 49.18	3 11.75	4 25 35.4	7 38.8	9.954999	13375	22 45.6
3.0	11 32 0.93	3 39.19	4 17 56.6	12 10.1	9.968374	13049	22 45.3
4.0	11 35 40.12	4 3.97	+4 5 46.5	16 24.0	9.981423	12643	22 45.4
5.0	11 39 44.09	4 26.03	3 49 22.5	20 18.6	9.994066	12172	22 45.8
6.0	11 44 10.12	4 45.41	3 29 3.9	23 53.0	0.006238	11654	22 46.6
7.0	11 48 55.53	5 2.19	3 5 10.9	27 6.1	0.017892	11103	22 47.7
8.0	11 53 57.72	5 16.56	2 38 4.8	29 58.5	0.028995	10533	22 49.0
9.0	11 59 14.28	5 28.68	2 8 6.3	32 30.1	0.039528	9954	22 50.6
10.0	12 4 42.96	5 38.79	+1 35 36.2	34 42.1	0.049482	9376	22 52.3
11.0	12 10 21.75	5 47.08	1 0 54.1	36 35.3	0.058858	8806	22 54.1
12.0	12 16 8.83	5 53.80	+0 24 18.8	38 11.1	0.067664	8249	22 56.1
13.0	12 22 2.63	5 59.18	−0 13 52.3	39 30.9	0.075913	7710	22 58.1
14.0	12 28 1.81	6 3.37	0 53 23.2	40 36.0	0.083623	7192	23 0.2
15.0	12 34 5.18		1 33 59.2		0.090815		23 2.4

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
Okt. 15.0	12 34 5.18	6 6.61	— 1 33 59.2	41 27.7	0.090815	6697	23 2.4
16.0	12 40 11.79	6 9.04	2 15 26.9	42 7.6	0.097512	6225	23 4.6
17.0	12 46 20.83	6 10.80	2 57 34.5	42 36.7	0.103737	5777	23 6.8
18.0	12 52 31.63	6 12.03	3 40 11.2	42 56.3	0.109514	5353	23 9.1
19.0	12 58 43.66	6 12.85	4 23 7.5	43 7.5	0.114867	4952	23 11.4
20.0	13 4 56.51	6 13.33	5 6 15.0	43 11.1	0.119819	4573	23 13.6
21.0	13 11 9.84	6 13.58	— 5 49 26.1	43 8.2	0.124392	4214	23 15.9
22.0	13 17 23.42	6 13.65	6 32 34.3	42 59.3	0.128606	3876	23 18.2
23.0	13 23 37.07	6 13.60	7 15 33.6	42 45.3	0.132482	3556	23 20.5
24.0	13 29 50.67	6 13.48	7 58 18.9	42 26.8	0.136038	3254	23 22.8
25.0	13 36 4.15	6 13.34	8 40 45.7	42 4.1	0.139292	2966	23 25.1
26.0	13 42 17.49	6 13.17	9 22 49.8	41 37.8	0.142258	2695	23 27.4
27.0	13 48 30.66	6 13.06	—10 4 27.6	41 8.4	0.144953	2435	23 29.6
28.0	13 54 43.72	6 12.97	10 45 36.0	40 36.0	0.147388	2189	23 31.9
29.0	14 0 56.69	6 12.96	11 26 12.0	40 1.0	0.149577	1953	23 34.2
30.0	14 7 9.65	6 13.02	12 6 13.0	39 23.7	0.151530	1727	23 36.5
31.0	14 13 22.67	6 13.16	12 45 36.7	38 44.2	0.153257	1511	23 38.8
Nov. 1.0	14 19 35.83	6 13.40	13 24 20.9	38 2.6	0.154768	1302	23 41.0
2.0	14 25 49.23	6 13.72	—14 2 23.5	37 19.2	0.156070	1100	23 43.3
3.0	14 32 2.95	6 14.15	14 39 42.7	36 34.2	0.157170	905	23 45.6
4.0	14 38 17.10	6 14.66	15 16 16.9	35 47.4	0.158075	715	23 47.9
5.0	14 44 31.76	6 15.28	15 52 4.3	34 59.1	0.158790	530	23 50.2
6.0	14 50 47.04	6 15.99	16 27 3.4	34 9.3	0.159320	348	23 52.6
7.0	14 57 3.03	6 16.78	17 1 12.7	33 18.1	0.159668	171	23 54.9
8.0	15 3 19.81	6 17.66	—17 34 30.8	32 25.4	0.159839	3	23 57.3
9.0	15 9 37.47	6 18.60	18 6 56.2	31 31.4	0.159836	177	23 59.6
10.0	15 15 56.07	6 19.64	18 38 27.6	30 36.1	0.159659	347	—
11.0	15 22 15.71	6 20.73	19 9 3.7	29 39.2	0.159312	518	0 2.0
12.0	15 28 36.44	6 21.88	19 38 42.9	28 41.2	0.158794	687	0 4.4
13.0	15 34 58.32	6 23.06	20 7 24.1	27 41.9	0.158107	856	0 6.9
14.0	15 41 21.38	6 24.29	—20 35 6.0	26 41.0	0.157251	1027	0 9.3
15.0	15 47 45.67	6 25.54	21 1 47.0	25 38.8	0.156224	1198	0 11.8
16.0	15 54 11.21	6 26.80	21 27 25.8	24 35.4	0.155026	1370	0 14.3
17.0	16 0 38.01	6 28.07	21 52 1.2	23 30.7	0.153656	1545	0 16.8
18.0	16 7 6.08	6 29.30	22 15 31.9	22 24.3	0.152111	1723	0 19.3
19.0	16 13 35.38	6 30.52	22 37 56.2	21 16.7	0.150388	1903	0 21.9
20.0	16 20 5.90	6 31.69	—22 59 12.9	20 7.8	0.148485	2088	0 24.4
21.0	16 26 37.59	6 32.78	23 19 20.7	18 57.2	0.146397	2276	0 27.0
22.0	16 33 10.37	6 33.80	23 38 17.9	17 45.3	0.144121	2470	0 29.6
23.0	16 39 44.17	6 34.70	23 56 3.2	16 32.1	0.141651	2668	0 32.3
24.0	16 46 18.87	6 35.48	24 12 35.3	15 17.5	0.138983	2873	0 34.9
25.0	16 52 54.35		24 27 52.8		0.136110		0 37.6

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
Nov. 25.0	16 52 54.35	6 36.10	−24 27 52.8	14 1.2	0.136110	3085	0 37.6
26.0	16 59 30.45	6 36.54	24 41 54.0	12 43.7	0.133025	3304	0 40.2
27.0	17 6 6.99	6 36.75	24 54 37.7	11 24.9	0.129721	3531	0 42.9
28.0	17 12 43.74	6 36.71	25 6 2.6	10 4.5	0.126190	3768	0 45.6
29.0	17 19 20.45	6 36.39	25 16 7.1	8 43.2	0.122422	4013	0 48.2
30.0	17 25 56.84	6 35.73	25 24 50.3	7 20.3	0.118409	4271	0 50.9
Dez. 1.0	17 32 32.57	6 34.67	−25 32 10.6	5 56.4	0.114138	4539	0 53.6
2.0	17 39 7.24	6 33.19	25 38 7.0	4 31.5	0.109599	4820	0 56.2
3.0	17 45 40.43	6 31.18	25 42 38.5	3 5.6	0.104779	5113	0 58.8
4.0	17 52 11.61	6 28.63	25 45 44.1	1 39.1	0.099666	5422	1 1.4
5.0	17 58 40.24	6 25.39	25 47 23.2	0 11.9	0.094244	5745	1 3.9
6.0	18 5 5.63	6 21.44	25 47 35.1	1 15.5	0.088499	6084	1 6.4
7.0	18 11 27.07	6 16.63	−25 46 19.6	2 43.0	0.082415	6440	1 8.8
8.0	18 17 43.70	6 10.87	25 43 36.6	4 10.1	0.075975	6812	1 11.2
9.0	18 23 54.57	6 4.03	25 39 26.5	5 36.5	0.069163	7202	1 13.4
10.0	18 29 58.60	5 55.95	25 33 50.0	7 1.7	0.061961	7610	1 15.5
11.0	18 35 54.55	5 46.50	25 26 48.3	8 25.1	0.054351	8035	1 17.5
12.0	18 41 41.05	5 35.47	25 18 23.2	9 46.0	0.046316	8475	1 19.3
13.0	18 47 16.52	5 22.67	−25 8 37.2	11 4.0	0.037841	8931	1 21.0
14.0	18 52 39.19	5 7.86	24 57 33.2	12 17.9	0.028910	9399	1 22.4
15.0	18 57 47.05	4 50.83	24 45 15.3	13 26.6	0.019511	9873	1 23.6
16.0	19 2 37.88	4 31.29	24 31 48.7	14 29.5	0.009638	10351	1 24.4
17.0	19 7 9.17	4 8.99	24 17 19.2	15 25.1	9.999287	10824	1 25.0
18.0	19 11 18.16	3 43.66	24 1 54.1	16 12.6	9.988463	11279	1 25.2
19.0	19 15 1.82	3 15.04	−23 45 41.5	16 50.3	9.977184	11706	1 24.9
20.0	19 18 16.86	2 42.92	23 28 51.2	17 17.4	9.965478	12088	1 24.2
21.0	19 20 59.78	2 7.16	23 11 33.8	17 32.5	9.953390	12404	1 22.9
22.0	19 23 6.94	1 27.74	22 54 1.3	17 35.2	9.940986	12629	1 21.1
23.0	19 24 34.68	0 44.76	22 36 26.1	17 24.7	9.928357	12734	1 18.6
24.0	19 25 19.44	0 1.37	22 19 1.4	17 0.8	9.915623	12690	1 15.4
25.0	19 25 18.07	0 50.05	−22 2 0.6	16 24.4	9.902933	12461	1 11.4
26.0	19 24 28.02	1 40.25	21 45 36.2	15 36.1	9.890472	12016	1 6.6
27.0	19 22 47.77	2 30.63	21 30 0.1	14 38.1	9.878456	11327	1 0.9
28.0	19 20 17.14	3 19.42	21 15 22.0	13 31.7	9.867129	10376	0 54.5
29.0	19 16 57.72	4 4.61	21 1 50.3	12 19.3	9.856753	9159	0 47.2
30.0	19 12 53.11	4 44.01	20 49 31.0	11 3.0	9.847594	7686	0 39.2
31.0	19 8 9.10	5 15.53	−20 38 28.0	9 43.8	9.839908	5995	0 30.6
32.0	19 2 53.57		20 28 44.2		9.833913		0 21.4

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
Jan. 1.0	16 45 20.74	5 16.47	−21 9 39.0	11 31.1	0.154059	1456	22 4.3
2.0	16 50 37.21	5 17.36	21 21 10.1	10 54.3	0.155515	1442	22 5.7
3.0	16 55 54.57	5 18.20	21 32 4.4	10 16.9	0.156957	1426	22 7.0
4.0	17 1 12.77	5 19.01	21 42 21.3	9 39.2	0.158383	1411	22 8.4
5.0	17 6 31.78	5 19.78	21 52 0.5	9 0.9	0.159794	1397	22 9.8
6.0	17 11 51.56	5 20.51	22 1 1.4	8 22.2	0.161191	1382	22 11.2
7.0	17 17 12.07	5 21.20	−22 9 23.6	7 43.0	0.162573	1367	22 12.6
8.0	17 22 33.27	5 21.83	22 17 6.6	7 3.4	0.163940	1352	22 14.0
9.0	17 27 55.10	5 22.43	22 24 10.0	6 23.5	0.165292	1339	22 15.5
10.0	17 33 17.53	5 22.96	22 30 33.5	5 43.2	0.166631	1324	22 16.9
11.0	17 38 40.49	5 23.45	22 36 16.7	5 2.7	0.167955	1309	22 18.3
12.0	17 44 3.94	5 23.89	22 41 19.4	4 21.7	0.169264	1296	22 19.8
13.0	17 49 27.83	5 24.27	−22 45 41.1	3 40.7	0.170560	1281	22 21.3
14.0	17 54 52.10	5 24.59	22 49 21.8	2 59.3	0.171841	1267	22 22.7
15.0	18 0 16.69	5 24.86	22 52 21.1	2 17.7	0.173108	1253	22 24.2
16.0	18 5 41.55	5 25.07	22 54 38.8	1 35.9	0.174361	1239	22 25.7
17.0	18 11 6.62	5 25.22	22 56 14.7	0 54.1	0.175600	1225	22 27.2
18.0	18 16 31.84	5 25.30	22 57 8.8	0 12.2	0.176825	1211	22 28.6
19.0	18 21 57.14	5 25.33	−22 57 21.0	0 29.9	0.178036	1197	22 30.1
20.0	18 27 22.47	5 25.30	22 56 51.1	1 11.8	0.179233	1183	22 31.6
21.0	18 32 47.77	5 25.20	22 55 39.3	1 53.8	0.180416	1169	22 33.1
22.0	18 38 12.97	5 25.04	22 53 45.5	2 35.8	0.181585	1156	22 34.5
23.0	18 43 38.01	5 24.81	22 51 9.7	3 17.6	0.182741	1141	22 36.0
24.0	18 49 2.82	5 24.53	22 47 52.1	3 59.4	0.183882	1129	22 37.5
25.0	18 54 27.35	5 24.19	−22 43 52.7	4 41.0	0.185011	1115	22 39.0
26.0	18 59 51.54	5 23.80	22 39 11.7	5 22.4	0.186126	1102	22 40.4
27.0	19 5 15.34	5 23.34	22 33 49.3	6 3.6	0.187228	1089	22 41.9
28.0	19 10 38.68	5 22.83	22 27 45.7	6 44.6	0.188317	1076	22 43.3
29.0	19 16 1.51	5 22.27	22 21 1.1	7 25.3	0.189393	1064	22 44.7
30.0	19 21 23.78	5 21.66	22 13 35.8	8 5.7	0.190457	1051	22 46.1
31.0	19 26 45.44	5 21.01	−22 5 30.1	8 45.8	0.191508	1039	22 47.6
Febr. 1.0	19 32 6.45	5 20.31	21 56 44.3	9 25.6	0.192547	1027	22 49.0
2.0	19 37 26.76	5 19.57	21 47 18.7	10 5.0	0.193574	1014	22 50.4
3.0	19 42 46.33	5 18.78	21 37 13.7	10 43.9	0.194588	1003	22 51.7
4.0	19 48 5.11	5 17.97	21 26 29.8	11 22.6	0.195591	990	22 53.1
5.0	19 53 23.08	5 17.11	21 15 7.2	12 0.8	0.196581	979	22 54.4
6.0	19 58 40.19	5 16.22	−21 3 6.4	12 38.4	0.197560	967	22 55.8
7.0	20 3 56.41	5 15.29	20 50 28.0	13 15.7	0.198527	955	22 57.1
8.0	20 9 11.70	5 14.33	20 37 12.3	13 52.3	0.199482	943	22 58.4
9.0	20 14 26.03	5 13.35	20 23 20.0	14 28.5	0.200425	931	22 59.6
10.0	20 19 39.38	5 12.34	20 8 51.5	15 4.1	0.201356	920	23 0.9
11.0	20 24 51.72		19 53 47.4		0.202276		23 2.2

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
Febr. 11.0	20 24 51.72	5 11.31	−19 53 47.4	15 39.2	0.202276	908	23 2.2
12.0	20 30 3.03	5 10.25	19 38 8.2	16 13.7	0.203184	896	23 3.4
13.0	20 35 13.28	5 9.18	19 21 54.5	16 47.5	0.204080	885	23 4.6
14.0	20 40 22.46	5 8.09	19 5 7.0	17 20.8	0.204965	872	23 5.8
15.0	20 45 30.55	5 6.98	18 47 46.2	17 53.5	0.205837	861	23 7.0
16.0	20 50 37.53	5 5.87	18 29 52.7	18 25.5	0.206698	849	23 8.1
17.0	20 55 43.40	5 4.73	−18 11 27.2	18 56.8	0.207547	837	23 9.3
18.0	21 0 48.13	5 3.60	17 52 30.4	19 27.4	0.208384	825	23 10.4
19.0	21 5 51.73	5 2.45	17 33 3.0	19 57.3	0.209209	813	23 11.5
20.0	21 10 54.18	5 1.30	17 13 5.7	20 26.6	0.210022	801	23 12.6
21.0	21 15 55.48	5 0.14	16 52 39.1	20 55.1	0.210823	790	23 13.6
22.0	21 20 55.62	4 58.98	16 31 44.0	21 22.9	0.211613	777	23 14.7
23.0	21 25 54.60	4 57.84	−16 10 21.1	21 50.0	0.212390	766	23 15.7
24.0	21 30 52.44	4 56.68	15 48 31.1	22 16.3	0.213156	754	23 16.7
25.0	21 35 49.12	4 55.54	15 26 14.8	22 41.9	0.213910	742	23 17.7
26.0	21 40 44.66	4 54.41	15 3 32.9	23 6.8	0.214652	731	23 18.6
27.0	21 45 39.07	4 53.29	14 40 26.1	23 31.0	0.215383	720	23 19.6
28.0	21 50 32.36	4 52.18	14 16 55.1	23 54.4	0.216103	709	23 20.5
März 1.0	21 55 24.54	4 51.10	−13 53 0.7	24 17.0	0.216812	697	23 21.4
2.0	22 0 15.64	4 50.03	13 28 43.7	24 39.1	0.217509	686	23 22.3
3.0	22 5 5.67	4 48.98	13 4 4.6	25 0.3	0.218195	675	23 23.2
4.0	22 9 54.65	4 47.95	12 39 4.3	25 20.8	0.218870	664	23 24.0
5.0	22 14 42.60	4 46.96	12 13 43.5	25 40.6	0.219534	653	23 24.9
6.0	22 19 29.56	4 45.98	11 48 2.9	25 59.7	0.220187	642	23 25.7
7.0	22 24 15.54	4 45.03	−11 22 3.2	26 17.9	0.220829	631	23 26.5
8.0	22 29 0.57	4 44.11	10 55 45.3	26 35.6	0.221460	620	23 27.3
9.0	22 33 44.68	4 43.22	10 29 9.7	26 52.4	0.222080	609	23 28.1
10.0	22 38 27.90	4 42.36	10 2 17.3	27 8.6	0.222689	598	23 28.8
11.0	22 43 10.26	4 41.54	9 35 8.7	27 23.9	0.223287	587	23 29.6
12.0	22 47 51.80	4 40.73	9 7 44.8	27 38.6	0.223874	576	23 30.3
13.0	22 52 32.53	4 39.98	− 8 40 6.2	27 52.6	0.224450	565	23 31.1
14.0	22 57 12.51	4 39.25	8 12 13.6	28 5.8	0.225015	553	23 31.8
15.0	23 1 51.76	4 38.56	7 44 7.8	28 18.2	0.225568	542	23 32.5
16.0	23 6 30.32	4 37.91	7 15 49.6	28 30.0	0.226110	530	23 33.2
17.0	23 11 8.23	4 37.28	6 47 19.6	28 41.0	0.226640	519	23 33.9
18.0	23 15 45.51	4 36.70	6 18 38.6	28 51.3	0.227159	507	23 34.5
19.0	23 20 22.21	4 36.15	− 5 49 47.3	29 0.8	0.227666	496	23 35.2
20.0	23 24 58.36	4 35.63	5 20 46.5	29 9.5	0.228162	484	23 35.8
21.0	23 29 33.99	4 35.16	4 51 37.0	29 17.6	0.228646	472	23 36.5
22.0	23 34 9.15	4 34.72	4 22 19.4	29 24.9	0.229118	459	23 37.1
23.0	23 38 43.87	4 34.31	3 52 54.5	29 31.4	0.229577	448	23 37.7
24.0	23 43 18.18		3 23 23.1		0.230025		23 38.4

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
März 24.0	23 43 18.18	4 33.94	− 3 23 23.1	29 37.2	0.230025	436	23 38.4
25.0	23 47 52.12	4 33.62	2 53 45.9	29 42.3	0.230461	424	23 39.0
26.0	23 52 25.74	4 33.33	2 24 3.6	29 46.6	0.230885	413	23 39.6
27.0	23 56 59.07	4 33.07	1 54 17.0	29 50.3	0.231298	400	23 40.2
28.0	0 1 32.14	4 32.87	1 24 26.7	29 53.1	0.231698	389	23 40.8
29.0	0 6 5.01	4 32.70	0 54 33.6	29 55.3	0.232087	376	23 41.4
30.0	0 10 37.71	4 32.57	− 0 24 38.3	29 56.8	0.232463	366	23 42.0
31.0	0 15 10.28	4 32.49	+ 0 5 18.5	29 57.6	0.232829	353	23 42.6
April 1.0	0 19 42.77	4 32.45	0 35 16.1	29 57.7	0.233182	341	23 43.2
2.0	0 24 15.22	4 32.44	1 5 13.8	29 57.0	0.233523	330	23 43.8
3.0	0 28 47.66	4 32.49	1 35 10.8	29 55.7	0.233853	318	23 44.4
4.0	0 33 20.15	4 32.58	2 5 6.5	29 53.7	0.234171	306	23 45.0
5.0	0 37 52.73	4 32.71	+ 2 35 0.2	29 50.9	0.234477	295	23 45.6
6.0	0 42 25.44	4 32.87	3 4 51.1	29 47.4	0.234772	282	23 46.2
7.0	0 46 58.31	4 33.09	3 34 38.5	29 43.3	0.235054	271	23 46.8
8.0	0 51 31.40	4 33.35	4 4 21.8	29 38.5	0.235325	259	23 47.5
9.0	0 56 4.75	4 33.64	4 34 0.3	29 32.9	0.235584	247	23 48.1
10.0	1 0 38.39	4 33.99	5 3 33.2	29 26.5	0.235831	235	23 48.7
11.0	1 5 12.38	4 34.38	+ 5 32 59.7	29 19.6	0.236066	222	23 49.3
12.0	1 9 46.76	4 34.80	6 2 19.3	29 11.9	0.236288	211	23 50.0
13.0	1 14 21.56	4 35.26	6 31 31.2	29 3.4	0.236499	198	23 50.6
14.0	1 18 56.82	4 35.77	7 0 34.6	28 54.2	0.236697	185	23 51.3
15.0	1 23 32.59	4 36.31	7 29 28.8	28 44.3	0.236882	173	23 51.9
16.0	1 28 8.90	4 36.89	7 58 13.1	28 33.7	0.237055	159	23 52.6
17.0	1 32 45.79	4 37.51	+ 8 26 46.8	28 22.3	0.237214	147	23 53.3
18.0	1 37 23.30	4 38.15	8 55 9.1	28 10.2	0.237361	134	23 54.0
19.0	1 42 1.45	4 38.84	9 23 19.3	27 57.3	0.237495	121	23 54.7
20.0	1 46 40.29	4 39.55	9 51 16.6	27 43.7	0.237616	107	23 55.4
21.0	1 51 19.84	4 40.30	10 19 0.3	27 29.3	0.237723	94	23 56.1
22.0	1 56 0.14	4 41.08	10 46 29.6	27 14.2	0.237817	80	23 56.9
23.0	2 0 41.22	4 41.88	+11 13 43.8	26 58.3	0.237897	68	23 57.6
24.0	2 5 23.10	4 42.72	11 40 42.1	26 41.7	0.237965	53	23 58.4
25.0	2 10 5.82	4 43.57	12 7 23.8	26 24.3	0.238018	41	23 59.2
26.0	2 14 49.39	4 44.47	12 33 48.1	26 6.2	0.238059	26	—
27.0	2 19 33.86	4 45.38	12 59 54.3	25 47.4	0.238085	14	0 0.0
28.0	2 24 19.24	4 46.32	13 25 41.7	25 27.8	0.238099	0	0 0.8
29.0	2 29 5.56	4 47.29	+13 51 9.5	25 7.5	0.238099	14	0 1.6
30.0	2 33 52.85	4 48.27	14 16 17.0	24 46.4	0.238085	27	0 2.5
Mai 1.0	2 38 41.12	4 49.28	14 41 3.4	24 24.6	0.238058	41	0 3.3
2.0	2 43 30.40	4 50.32	15 5 28.0	24 2.1	0.238017	54	0 4.2
3.0	2 48 20.72	4 51.36	15 29 30.1	23 38.8	0.237963	67	0 5.1
4.0	2 53 12.08		15 53 8.9		0.237896		0 6.0

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
Mai 4.0	2 53 12.08	4 52.42	+15 53 8.9	23 14.8	0.237896	81	0 6.0
5.0	2 58 4.50	4 53.51	16 16 23.7	22 50.1	0.237815	95	0 6.9
6.0	3 2 58.01	4 54.59	16 39 13.8	22 24.7	0.237720	109	0 7.9
7.0	3 7 52.60	4 55.71	17 1 38.5	21 58.5	0.237611	122	0 8.9
8.0	3 12 48.31	4 56.82	17 23 37.0	21 31.6	0.237489	135	0 9.9
9.0	3 17 45.13	4 57.95	17 45 8.6	21 4.0	0.237354	150	0 10.9
10.0	3 22 43.08	4 59.09	+18 6 12.6	20 35.7	0.237204	164	0 11.9
11.0	3 27 42.17	5 0.22	18 26 48.3	20 6.6	0.237040	177	0 12.9
12.0	3 32 42.39	5 1.35	18 46 54.9	19 36.9	0.236863	192	0 14.0
13.0	3 37 43.74	5 2.49	19 6 31.8	19 6.4	0.236671	206	0 15.1
14.0	3 42 46.23	5 3.62	19 25 38.2	18 35.3	0.236465	221	0 16.2
15.0	3 47 49.85	5 4.74	19 44 13.5	18 3.5	0.236244	235	0 17.3
16.0	3 52 54.59	5 5.85	+20 2 17.0	17 31.0	0.236009	250	0 18.4
17.0	3 58 0.44	5 6.95	20 19 48.0	16 57.8	0.235759	265	0 19.6
18.0	4 3 7.39	5 8.03	20 36 45.8	16 24.1	0.235494	279	0 20.8
19.0	4 8 15.42	5 9.08	20 53 9.9	15 49.6	0.235215	295	0 22.0
20.0	4 13 24.50	5 10.12	21 8 59.5	15 14.5	0.234920	310	0 23.2
21.0	4 18 34.62	5 11.13	21 24 14.0	14 38.9	0.234610	325	0 24.4
22.0	4 23 45.75	5 12.11	+21 38 52.9	14 2.6	0.234285	341	0 25.6
23.0	4 28 57.86	5 13.05	21 52 55.5	13 25.7	0.233944	356	0 26.9
24.0	4 34 10.91	5 13.98	22 6 21.2	12 48.4	0.233588	371	0 28.1
25.0	4 39 24.89	5 14.86	22 19 9.6	12 10.5	0.233217	386	0 29.4
26.0	4 44 39.75	5 15.71	22 31 20.1	11 32.0	0.232831	402	0 30.7
27.0	4 49 55.46	5 16.50	22 42 52.1	10 53.2	0.232429	417	0 32.1
28.0	4 55 11.96	5 17.27	+22 53 45.3	10 13.8	0.232012	433	0 33.4
29.0	5 0 29.23	5 18.00	23 3 59.1	9 34.0	0.231579	448	0 34.8
30.0	5 5 47.23	5 18.67	23 13 33.1	8 53.9	0.231131	463	0 36.1
31.0	5 11 5.90	5 19.30	23 22 27.0	8 13.2	0.230668	479	0 37.5
Juni 1.0	5 16 25.20	5 19.88	23 30 40.2	7 32.2	0.230189	494	0 38.9
2.0	5 21 45.08	5 20.41	23 38 12.4	6 51.0	0.229695	509	0 40.3
3.0	5 27 5.49	5 20.88	+23 45 3.4	6 9.3	0.229186	525	0 41.7
4.0	5 32 26.37	5 21.32	23 51 12.7	5 27.5	0.228661	540	0 43.1
5.0	5 37 47.69	5 21.69	23 56 40.2	4 45.3	0.228121	555	0 44.5
6.0	5 43 9.38	5 22.01	24 1 25.5	4 3.0	0.227566	570	0 45.9
7.0	5 48 31.39	5 22.28	24 5 28.5	3 20.4	0.226996	587	0 47.3
8.0	5 53 53.67	5 22.48	24 8 48.9	2 37.6	0.226409	601	0 48.8
9.0	5 59 16.15	5 22.64	+24 11 26.5	1 54.8	0.225808	617	0 50.2
10.0	6 4 38.79	5 22.73	24 13 21.3	1 11.8	0.225191	633	0 51.6
11.0	6 10 1.52	5 22.77	24 14 33.1	0 28.7	0.224558	649	0 53.1
12.0	6 15 24.29	5 22.74	24 15 1.8	0 14.4	0.223909	665	0 54.5
13.0	6 20 47.03	5 22.65	24 14 47.4	0 57.5	0.223244	681	0 55.9
14.0	6 26 9.68		24 13 49.9		0.222563		0 57.4

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
Juni 14.0	6 26 9.68	5 22.50	+24 13 49.9	1 40.6	0.222563	697	0 57.4
15.0	6 31 32.18	5 22.28	24 12 9.3	2 23.6	0.221866	713	0 58.8
16.0	6 36 54.46	5 22.01	24 9 45.7	3 6.6	0.221153	730	1 0.2
17.0	6 42 16.47	5 21.67	24 6 39.1	3 49.4	0.220423	746	1 1.7
18.0	6 47 38.14	5 21.28	24 2 49.7	4 32.1	0.219677	762	1 3.1
19.0	6 52 59.42	5 20.83	23 58 17.6	5 14.5	0.218915	780	1 4.5
20.0	6 58 20.25	5 20.31	+23 53 3.1	5 56.9	0.218135	796	1 5.9
21.0	7 3 40.56	5 19.74	23 47 6.2	6 38.8	0.217339	812	1 7.3
22.0	7 9 0.30	5 19.10	23 40 27.4	7 20.6	0.216527	830	1 8.7
23.0	7 14 19.40	5 18.41	23 33 6.8	8 2.0	0.215697	846	1 10.1
24.0	7 19 37.81	5 17.68	23 25 4.8	8 43.1	0.214851	862	1 11.4
25.0	7 24 55.49	5 16.88	23 16 21.7	9 23.7	0.213989	880	1 12.8
26.0	7 30 12.37	5 16.05	+23 6 58.0	10 4.1	0.213109	896	1 14.1
27.0	7 35 28.42	5 15.16	22 56 53.9	10 44.0	0.212213	913	1 15.5
28.0	7 40 43.58	5 14.24	22 46 9.9	11 23.4	0.211300	929	1 16.8
29.0	7 45 57.82	5 13.26	22 34 46.5	12 2.5	0.210371	946	1 18.1
30.0	7 51 11.08	5 12.26	22 22 44.0	12 41.0	0.209425	963	1 19.3
Juli 1.0	7 56 23.34	5 11.21	22 10 3.0	13 19.1	0.208462	979	1 20.6
2.0	8 1 34.55	5 10.14	+21 56 43.9	13 56.6	0.207483	995	1 21.8
3.0	8 6 44.69	5 9.04	21 42 47.3	14 33.6	0.206488	1012	1 23.1
4.0	8 11 53.73	5 7.91	21 28 13.7	15 10.0	0.205476	1029	1 24.3
5.0	8 17 1.64	5 6.76	21 13 3.7	15 46.0	0.204447	1044	1 25.5
6.0	8 22 8.40	5 5.59	20 57 17.7	16 21.3	0.203403	1061	1 26.6
7.0	8 27 13.99	5 4.39	20 40 56.4	16 56.0	0.202342	1078	1 27.8
8.0	8 32 18.38	5 3.18	+20 24 0.4	17 30.2	0.201264	1094	1 28.9
9.0	8 37 21.56	5 1.97	20 6 30.2	18 3.6	0.200170	1111	1 30.0
10.0	8 42 23.53	5 0.73	19 48 26.6	18 36.6	0.199059	1127	1 31.1
11.0	8 47 24.26	4 59.48	19 29 50.0	19 8.7	0.197932	1144	1 32.2
12.0	8 52 23.74	4 58.24	19 10 41.3	19 40.3	0.196788	1161	1 33.2
13.0	8 57 21.98	4 56.98	18 51 1.0	20 11.2	0.195627	1177	1 34.3
14.0	9 2 18.96	4 55.71	+18 30 49.8	20 41.4	0.194450	1195	1 35.3
15.0	9 7 14.67	4 54.46	18 10 8.4	21 10.9	0.193255	1212	1 36.2
16.0	9 12 9.13	4 53.19	17 48 57.5	21 39.7	0.192043	1230	1 37.2
17.0	9 17 2.32	4 51.93	17 27 17.8	22 7.8	0.190813	1246	1 38.1
18.0	9 21 54.25	4 50.67	17 5 10.0	22 35.2	0.189567	1264	1 39.1
19.0	9 26 44.92	4 49.41	16 42 34.8	23 1.8	0.188303	1282	1 40.0
20.0	9 31 34.33	4 48.17	+16 19 33.0	23 27.7	0.187021	1298	1 40.9
21.0	9 36 22.50	4 46.94	15 56 5.3	23 53.0	0.185723	1317	1 41.7
22.0	9 41 9.44	4 45.71	15 32 12.3	24 17.4	0.184406	1333	1 42.6
23.0	9 45 55.15	4 44.51	15 7 54.9	24 41.1	0.183073	1352	1 43.4
24.0	9 50 39.66	4 43.31	14 43 13.8	25 4.1	0.181721	1369	1 44.2
25.0	9 55 22.97		14 18 9.7		0.180352		1 44.9

Venus 1917

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
Juli 25.0	9 55 22.97	4 42.12	+14 18 9.7	25 26.3	0.180352	1386	1 44.9
26.0	10 0 5.09	4 40.97	13 52 43.4	25 47.8	0.178966	1404	1 45.7
27.0	10 4 46.06	4 39.83	13 26 55.6	26 8.6	0.177562	1421	1 46.4
28.0	10 9 25.89	4 38.71	13 0 47.0	26 28.6	0.176141	1439	1 47.2
29.0	10 14 4.60	4 37.62	12 34 18.4	26 48.0	0.174702	1456	1 47.9
30.0	10 18 42.22	4 36.55	12 7 30.4	27 6.5	0.173246	1473	1 48.5
31.0	10 23 18.77	4 35.51	+11 40 23.9	27 24.4	0.171773	1491	1 49.2
Aug. 1.0	10 27 54.28	4 34.50	11 12 59.5	27 41.6	0.170282	1507	1 49.9
2.0	10 32 28.78	4 33.52	10 45 17.9	27 58.0	0.168775	1525	1 50.5
3.0	10 37 2.30	4 32.57	10 17 19.9	28 13.7	0.167250	1542	1 51.1
4.0	10 41 34.87	4 31.67	9 49 6.2	28 28.8	0.165708	1559	1 51.7
5.0	10 46 6.54	4 30.79	9 20 37.4	28 43.2	0.164149	1576	1 52.3
6.0	10 50 37.33	4 29.96	+ 8 51 54.2	28 56.9	0.162573	1593	1 52.9
7.0	10 55 7.29	4 29.15	8 22 57.3	29 9.8	0.160980	1611	1 53.4
8.0	10 59 36.44	4 28.39	7 53 47.5	29 22.1	0.159369	1628	1 54.0
9.0	11 4 4.83	4 27.66	7 24 25.4	29 33.7	0.157741	1645	1 54.5
10.0	11 8 32.49	4 26.97	6 54 51.7	29 44.6	0.156096	1663	1 55.0
11.0	11 12 59.46	4 26.32	6 25 7.1	29 54.7	0.154433	1681	1 55.5
12.0	11 17 25.78	4 25.70	+ 5 55 12.4	30 4.2	0.152752	1699	1 56.0
13.0	11 21 51.48	4 25.13	5 25 8.2	30 13.0	0.151053	1717	1 56.5
14.0	11 26 16.61	4 24.59	4 54 55.2	30 21.1	0.149336	1735	1 57.0
15.0	11 30 41.20	4 24.08	4 24 34.1	30 28.3	0.147601	1753	1 57.4
16.0	11 35 5.28	4 23.62	3 54 5.8	30 35.0	0.145848	1771	1 57.9
17.0	11 39 28.90	4 23.19	3 23 30.8	30 40.9	0.144077	1790	1 58.4
18.0	11 43 52.09	4 22.81	+ 2 52 49.9	30 46.1	0.142287	1808	1 58.8
19.0	11 48 14.90	4 22.46	2 22 3.8	30 50.6	0.140479	1827	1 59.2
20.0	11 52 37.36	4 22.15	1 51 13.2	30 54.4	0.138652	1845	1 59.7
21.0	11 56 59.51	4 21.87	1 20 18.8	30 57.5	0.136807	1865	2 0.1
22.0	12 1 21.38	4 21.64	0 49 21.3	31 0.0	0.134942	1883	2 0.5
23.0	12 5 43.02	4 21.45	+ 0 18 21.3	31 1.7	0.133059	1902	2 0.9
24.0	12 10 4.47	4 21.29	− 0 12 40.4	31 2.6	0.131157	1921	2 1.3
25.0	12 14 25.76	4 21.17	0 43 43.0	31 3.0	0.129236	1940	2 1.8
26.0	12 18 46.93	4 21.10	1 14 46.0	31 2.6	0.127296	1959	2 2.2
27.0	12 23 8.03	4 21.05	1 45 48.6	31 1.5	0.125337	1978	2 2.6
28.0	12 27 29.08	4 21.05	2 16 50.1	30 59.7	0.123359	1997	2 3.0
29.0	12 31 50.13	4 21.09	2 47 49.8	30 57.3	0.121362	2015	2 3.4
30.0	12 36 11.22	4 21.17	− 3 18 47.1	30 54.2	0.119347	2035	2 3.8
31.0	12 40 32.39	4 21.29	3 49 41.3	30 50.4	0.117312	2053	2 4.2
Sept. 1.0	12 44 53.68	4 21.46	4 20 31.7	30 45.9	0.115259	2072	2 4.6
2.0	12 49 15.14	4 21.67	4 51 17.6	30 40.8	0.113187	2091	2 5.0
3.0	12 53 36.81	4 21.91	5 21 58.4	30 35.0	0.111096	2110	2 5.5
4.0	12 57 58.72		5 52 33.4		0.108986		2 5.9

Mittlere Zeit Greenwich		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
		h m s	m s	° ′ ″	′ ″			h m
Sept.	4.0	12 57 58.72	4 22.21	— 5 52 33.4	30 28.6	0.108986	2130	2 5.9
	5.0	13 2 20.93	4 22.53	6 23 2.0	30 21.5	0.106856	2148	2 6.3
	6.0	13 6 43.46	4 22.91	6 53 23.5	30 13.7	0.104708	2168	2 6.7
	7.0	13 11 6.37	4 23.33	7 23 37.2	30 5.1	0.102540	2188	2 7.2
	8.0	13 15 29.70	4 23.77	7 53 42.3	29 55.9	0.100352	2207	2 7.6
	9.0	13 19 53.47	4 24.26	8 23 38.2	29 46.0	0.098145	2228	2 8.1
	10.0	13 24 17.73	4 24.79	— 8 53 24.2	29 35.4	0.095917	2247	2 8.6
	11.0	13 28 42.52	4 25.35	9 22 59.6	29 24.1	0.093670	2268	2 9.0
	12.0	13 33 7.87	4 25.94	9 52 23.7	29 12.0	0.091402	2289	2 9.5
	13.0	13 37 33.81	4 26.56	10 21 35.7	28 59.2	0.089113	2310	2 10.0
	14.0	13 42 0.37	4 27.23	10 50 34.9	28 45.8	0.086803	2331	2 10.5
	15.0	13 46 27.60	4 27.92	11 19 20.7	28 31.7	0.084472	2352	2 11.0
	16.0	13 50 55.52	4 28.63	—11 47 52.4	28 16.7	0.082120	2373	2 11.5
	17.0	13 55 24.15	4 29.37	12 16 9.1	28 1.0	0.079747	2396	2 12.1
	18.0	13 59 53.52	4 30.14	12 44 10.1	27 44.7	0.077351	2417	2 12.6
	19.0	14 4 23.66	4 30.93	13 11 54.8	27 27.5	0.074934	2440	2 13.2
	20.0	14 8 54.59	4 31.75	13 39 22.3	27 9.6	0.072494	2462	2 13.7
	21.0	14 13 26.34	4 32.58	14 6 31.9	26 51.1	0.070032	2484	2 14.3
	22.0	14 17 58.92	4 33.44	—14 33 23.0	26 31.8	0.067548	2508	2 14.9
	23.0	14 22 32.36	4 34.31	14 59 54.8	26 11.8	0.065040	2530	2 15.6
	24.0	14 27 6.67	4 35.20	15 26 6.6	25 51.0	0.062510	2553	2 16.2
	25.0	14 31 41.87	4 36.10	15 51 57.6	25 29.5	0.059957	2576	2 16.8
	26.0	14 36 17.97	4 37.02	16 17 27.1	25 7.3	0.057381	2600	2 17.5
	27.0	14 40 54.99	4 37.96	16 42 34.4	24 44.4	0.054781	2623	2 18.2
	28.0	14 45 32.95	4 38.89	—17 7 18.8	24 20.7	0.052158	2646	2 18.9
	29.0	14 50 11.84	4 39.85	17 31 39.5	23 56.4	0.049512	2670	2 19.6
	30.0	14 54 51.69	4 40.81	17 55 35.9	23 31.4	0.046842	2694	2 20.3
Okt.	1.0	14 59 32.50	4 41.79	18 19 7.3	23 5.7	0.044148	2717	2 21.0
	2.0	15 4 14.29	4 42.76	18 42 13.0	22 39.2	0.041431	2741	2 21.8
	3.0	15 8 57.05	4 43.75	19 4 52.2	22 12.2	0.038690	2765	2 22.5
	4.0	15 13 40.80	4 44.74	—19 27 4.4	21 44.4	0.035925	2790	2 23.3
	5.0	15 18 25.54	4 45.72	19 48 48.8	21 16.0	0.033135	2815	2 24.2
	6.0	15 23 11.26	4 46.71	20 10 4.8	20 46.7	0.030320	2839	2 25.0
	7.0	15 27 57.97	4 47.69	20 30 51.5	20 17.0	0.027481	2865	2 25.8
	8.0	15 32 45.66	4 48.66	20 51 8.5	19 46.5	0.024616	2891	2 26.7
	9.0	15 37 34.32	4 49.62	21 10 55.0	19 15.5	0.021725	2917	2 27.5
	10.0	15 42 23.94	4 50.57	—21 30 10.5	18 43.6	0.018808	2943	2 28.4
	11.0	15 47 14.51	4 51.48	21 48 54.1	18 11.2	0.015865	2971	2 29.3
	12.0	15 52 5.99	4 52.38	22 7 5.3	17 38.2	0.012894	2997	2 30.2
	13.0	15 56 58.37	4 53.25	22 24 43.5	17 4.6	0.009897	3026	2 31.2
	14.0	16 1 51.62	4 54.10	22 41 48.1	16 30.2	0.006871	3054	2 32.1
	15.0	16 6 45.72		22 58 18.3		0.003817		2 33.1

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
Okt. 15.0	16 6 45.72	4 54.90	−22 58 18.3	15 55.5	0.003817	3082	2 33.1
16.0	16 11 40.62	4 55.69	23 14 13.8	15 20.1	0.000735	3112	2 34.1
17.0	16 16 36.31	4 56.41	23 29 33.9	14 44.1	9.997623	3141	2 35.1
18.0	16 21 32.72	4 57.11	23 44 18.0	14 7.6	9.994482	3170	2 36.1
19.0	16 26 29.83	4 57.74	23 58 25.6	13 30.6	9.991312	3202	2 37.1
20.0	16 31 27.57	4 58.33	24 11 56.2	12 53.2	9.988110	3232	2 38.1
21.0	16 36 25.90	4 58.86	−24 24 49.4	12 15.3	9.984878	3263	2 39.1
22.0	16 41 24.76	4 59.33	24 37 4.7	11 37.0	9.981615	3294	2 40.2
23.0	16 46 24.09	4 59.74	24 48 41.7	10 58.2	9.978321	3326	2 41.2
24.0	16 51 23.83	5 0.10	24 59 39.9	10 19.1	9.974995	3359	2 42.2
25.0	16 56 23.93	5 0.40	25 9 59.0	9 39.6	9.971636	3390	2 43.3
26.0	17 1 24.33	5 0.62	25 19 38.6	8 59.9	9.968246	3424	2 44.4
27.0	17 6 24.95	5 0.78	−25 28 38.5	8 19.8	9.964822	3456	2 45.4
28.0	17 11 25.73	5 0.87	25 36 58.3	7 39.5	9.961366	3490	2 46.5
29.0	17 16 26.60	5 0.89	25 44 37.8	6 58.9	9.957876	3523	2 47.6
30.0	17 21 27.49	5 0.85	25 51 36.7	6 18.2	9.954353	3557	2 48.7
31.0	17 26 28.34	5 0.72	25 57 54.9	5 37.2	9.950796	3591	2 49.7
Nov. 1.0	17 31 29.06	5 0.54	26 3 32.1	4 56.2	9.947205	3626	2 50.8
2.0	17 36 29.60	5 0.27	−26 8 28.3	4 15.0	9.943579	3661	2 51.9
3.0	17 41 29.87	4 59.93	26 12 43.3	3 33.7	9.939918	3696	2 52.9
4.0	17 46 29.80	4 59.51	26 16 17.0	2 52.3	9.936222	3733	2 54.0
5.0	17 51 29.31	4 59.02	26 19 9.3	2 11.1	9.932489	3770	2 55.0
6.0	17 56 28.33	4 58.45	26 21 20.4	1 29.8	9.928719	3806	2 56.1
7.0	18 1 26.78	4 57.80	26 22 50.2	0 48.5	9.924913	3845	2 57.1
8.0	18 6 24.58	4 57.05	−26 23 38.7	0 7.4	9.921068	3883	2 58.1
9.0	18 11 21.63	4 56.23	26 23 46.1	0 33.6	9.917185	3923	2 59.1
10.0	18 16 17.86	4 55.32	26 23 12.5	1 14.4	9.913262	3962	3 0.1
11.0	18 21 13.18	4 54.32	26 21 58.1	1 55.1	9.909300	4004	3 1.1
12.0	18 26 7.50	4 53.24	26 20 3.0	2 35.5	9.905296	4044	3 2.1
13.0	18 31 0.74	4 52.07	26 17 27.5	3 15.6	9.901252	4087	3 3.0
14.0	18 35 52.81	4 50.80	−26 14 11.9	3 55.5	9.897165	4129	3 3.9
15.0	18 40 43.61	4 49.46	26 10 16.4	4 34.8	9.893036	4173	3 4.8
16.0	18 45 33.07	4 48.00	26 5 41.6	5 14.0	9.888863	4217	3 5.7
17.0	18 50 21.07	4 46.47	26 0 27.6	5 52.6	9.884646	4262	3 6.6
18.0	18 55 7.54	4 44.85	25 54 35.0	6 30.7	9.880384	4308	3 7.4
19.0	18 59 52.39	4 43.12	25 48 4.3	7 8.4	9.876076	4354	3 8.2
20.0	19 4 35.51	4 41.31	−25 40 55.9	7 45.5	9.871722	4401	3 9.0
21.0	19 9 16.82	4 39.41	25 33 10.4	8 22.1	9.867321	4449	3 9.7
22.0	19 13 56.23	4 37.41	25 24 48.3	8 58.0	9.862872	4497	3 10.4
23.0	19 18 33.64	4 35.33	25 15 50.3	9 33.4	9.858375	4546	3 11.1
24.0	19 23 8.97	4 33.17	25 6 16.9	10 8.1	9.853829	4595	3 11.7
25.0	19 27 42.14		24 56 8.8		9.849234		3 12.3

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
Nov. 25.0	19 27 42.14	4 30.92	−24 56 8.8	10 42.2	9.849234	4644	3 12.3
26.0	19 32 13.06	4 28.58	24 45 26.6	11 15.6	9.844590	4695	3 12.9
27.0	19 36 41.64	4 26.18	24 34 11.0	11 48.3	9.839895	4745	3 13.4
28.0	19 41 7.82	4 23.70	24 22 22.7	12 20.2	9.835150	4796	3 13.9
29.0	19 45 31.52	4 21.13	24 10 2.5	12 51.5	9.830354	4848	3 14.4
30.0	19 49 52.65	4 18.50	23 57 11.0	13 21.9	9.825506	4900	3 14.8
Dez. 1.0	19 54 11.15	4 15.79	−23 43 49.1	13 51.6	9.820606	4952	3 15.1
2.0	19 58 26.94	4 13.01	23 29 57.5	14 20.5	9.815654	5007	3 15.4
3.0	20 2 39.95	4 10.16	23 15 37.0	14 48.5	9.810647	5060	3 15.7
4.0	20 6 50.11	4 7.23	23 0 48.5	15 15.8	9.805587	5115	3 16.0
5.0	20 10 57.34	4 4.23	22 45 32.7	15 42.0	9.800472	5171	3 16.1
6.0	20 15 1.57	4 1.15	22 29 50.7	16 7.5	9.795301	5226	3 16.2
7.0	20 19 2.72	3 58.00	−22 13 43.2	16 32.1	9.790075	5284	3 16.3
8.0	20 23 0.72	3 54.78	21 57 11.1	16 55.7	9.784791	5341	3 16.3
9.0	20 26 55.50	3 51.46	21 40 15.4	17 18.4	9.779450	5400	3 16.3
10.0	20 30 46.96	3 48.07	21 22 57.0	17 40.1	9.774050	5458	3 16.2
11.0	20 34 35.03	3 44.60	21 5 16.9	18 0.8	9.768592	5519	3 16.0
12.0	20 38 19.63	3 41.05	20 47 16.1	18 20.5	9.763073	5578	3 15.8
13.0	20 42 0.68	3 37.40	−20 28 55.6	18 39.1	9.757495	5640	3 15.6
14.0	20 45 38.08	3 33.65	20 10 16.5	18 56.7	9.751855	5702	3 15.3
15.0	20 49 11.73	3 29.82	19 51 19.8	19 13.2	9.746153	5763	3 14.9
16.0	20 52 41.55	3 25.87	19 32 6.6	19 28.4	9.740390	5827	3 14.4
17.0	20 56 7.42	3 21.83	19 12 38.2	19 42.6	9.734563	5889	3 13.9
18.0	20 59 29.25	3 17.66	18 52 55.6	19 55.6	9.728674	5953	3 13.3
19.0	21 2 46.91	3 13.39	−18 33 0.0	20 7.3	9.722721	6015	3 12.6
20.0	21 6 0.30	3 8.99	18 12 52.7	20 17.9	9.716706	6079	3 11.9
21.0	21 9 9.29	3 4.47	17 52 34.8	20 27.2	9.710627	6141	3 11.1
22.0	21 12 13.76	2 59.84	17 32 7.6	20 35.3	9.704486	6203	3 10.2
23.0	21 15 13.60	2 55.07	17 11 32.3	20 42.1	9.698283	6264	3 9.3
24.0	21 18 8.67	2 50.16	16 50 50.2	20 47.5	9.692019	6324	3 8.2
25.0	21 20 58.83	2 45.14	−16 30 2.7	20 51.8	9.685695	6384	3 7.1
26.0	21 23 43.97	2 39.96	16 9 10.9	20 54.7	9.679311	6442	3 5.9
27.0	21 26 23.93	2 34.65	15 48 16.2	20 56.2	9.672869	6498	3 4.6
28.0	21 28 58.58	2 29.19	15 27 20.0	20 56.4	9.666371	6552	3 3.3
29.0	21 31 27.77	2 23.58	15 6 23.6	20 55.3	9.659819	6606	3 1.8
30.0	21 33 51.35	2 17.82	14 45 28.3	20 52.6	9.653213	6656	3 0.2
31.0	21 36 9.17	2 11.90	−14 24 35.7	20 48.6	9.646557	6704	2 58.6
32.0	21 38 21.07		14 3 47.1		9.639853		2 56.8

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
Jan. 1.0	19 43 7.78	3 19.45	—22 25 0.4	8 5.4	0.368899	162	1 0.8
2.0	19 46 27.23	3 19.18	22 16 55.0	8 20.6	0.369061	159	1 0.2
3.0	19 49 46.41	3 18.90	22 8 34.4	8 35.7	0.369220	158	0 59.6
4.0	19 53 5.31	3 18.62	21 59 58.7	8 50.7	0.369378	154	0 59.0
5.0	19 56 23.93	3 18.33	21 51 8.0	9 5.5	0.369532	153	0 58.3
6.0	19 59 42.26	3 18.02	21 42 2.5	9 20.2	0.369685	151	0 57.7
7.0	20 3 0.28	3 17.70	—21 32 42.3	9 34.8	0.369836	148	0 57.1
8.0	20 6 17.98	3 17.38	21 23 7.5	9 49.3	0.369984	146	0 56.4
9.0	20 9 35.36	3 17.06	21 13 18.2	10 3.6	0.370130	145	0 55.8
10.0	20 12 52.42	3 16.71	21 3 14.6	10 17.8	0.370275	142	0 55.1
11.0	20 16 9.13	3 16.37	20 52 56.8	10 32.0	0.370417	140	0 54.4
12.0	20 19 25.50	3 16.01	20 42 24.8	10 45.8	0.370557	139	0 53.8
13.0	20 22 41.51	3 15.66	—20 31 39.0	10 59.6	0.370696	136	0 53.1
14.0	20 25 57.17	3 15.29	20 20 39.4	11 13.1	0.370832	135	0 52.4
15.0	20 29 12.46	3 14.92	20 9 26.3	11 26.7	0.370967	132	0 51.7
16.0	20 32 27.38	3 14.53	19 57 59.6	11 39.9	0.371099	131	0 51.0
17.0	20 35 41.91	3 14.15	19 46 19.7	11 53.1	0.371230	129	0 50.3
18.0	20 38 56.06	3 13.76	19 34 26.6	12 6.0	0.371359	127	0 49.6
19.0	20 42 9.82	3 13.36	—19 22 20.6	12 18.8	0.371486	124	0 48.9
20.0	20 45 23.18	3 12.96	19 10 1.8	12 31.5	0.371610	123	0 48.2
21.0	20 48 36.14	3 12.56	18 57 30.3	12 43.9	0.371733	121	0 47.5
22.0	20 51 48.70	3 12.14	18 44 46.4	12 56.1	0.371854	119	0 46.7
23.0	20 55 0.84	3 11.71	18 31 50.3	13 8.1	0.371973	116	0 46.0
24.0	20 58 12.55	3 11.29	18 18 42.2	13 20.0	0.372089	115	0 45.3
25.0	21 1 23.84	3 10.86	—18 5 22.2	13 31.6	0.372204	113	0 44.5
26.0	21 4 34.70	3 10.41	17 51 50.6	13 43.1	0.372317	110	0 43.7
27.0	21 7 45.11	3 9.98	17 38 7.5	13 54.2	0.372427	109	0 43.0
28.0	21 10 55.09	3 9.53	17 24 13.3	14 5.3	0.372536	108	0 42.2
29.0	21 14 4.62	3 9.09	17 10 8.0	14 16.2	0.372644	105	0 41.4
30.0	21 17 13.71	3 8.64	16 55 51.8	14 26.8	0.372749	104	0 40.6
31.0	21 20 22.35	3 8.19	—16 41 25.0	14 37.2	0.372853	103	0 39.8
Febr. 1.0	21 23 30.54	3 7.75	16 26 47.8	14 47.5	0.372956	101	0 39.0
2.0	21 26 38.29	3 7.30	16 12 0.3	14 57.5	0.373057	100	0 38.2
3.0	21 29 45.59	3 6.86	15 57 2.8	15 7.4	0.373157	99	0 37.4
4.0	21 32 52.45	3 6.42	15 41 55.4	15 17.1	0.373256	97	0 36.6
5.0	21 35 58.87	3 5.97	15 26 38.3	15 26.5	0.373353	96	0 35.7
6.0	21 39 4.84	3 5.54	—15 11 11.8	15 35.8	0.373449	95	0 34.9
7.0	21 42 10.38	3 5.11	14 55 36.0	15 44.9	0.373544	94	0 34.0
8.0	21 45 15.49	3 4.67	14 39 51.1	15 53.8	0.373638	92	0 33.2
9.0	21 48 20.16	3 4.24	14 23 57.3	16 2.4	0.373730	92	0 32.3
10.0	21 51 24.40	3 3.82	14 7 54.9	16 10.9	0.373822	90	0 31.4
11.0	21 54 28.22		13 51 44.0		0.373912		0 30.6

Mittlere Zeit Greenwich	Scheinbare Rektaszension h m s	Diff. m s	Scheinbare Deklination ° ′ ″	Diff. ′ ″	log Δ	Diff.	Zeit der oberen Kulmination h m
Febr. 11.0	21 54 28.22	3 3.40	−13 51 44.0	16 19.2	0.373912	89	0 30.6
12.0	21 57 31.62	3 2.98	13 35 24.8	16 27.3	0.374001	88	0 29.7
13.0	22 0 34.60	3 2.58	13 18 57.5	16 35.1	0.374089	87	0 28.8
14.0	22 3 37.18	3 2.17	13 2 22.4	16 42.8	0.374176	86	0 27.9
15.0	22 6 39.35	3 1.77	12 45 39.6	16 50.3	0.374262	84	0 27.0
16.0	22 9 41.12	3 1.37	12 28 49.3	16 57.6	0.374346	83	0 26.1
17.0	22 12 42.49	3 0.97	−12 11 51.7	17 4.6	0.374429	82	0 25.1
18.0	22 15 43.46	3 0.59	11 54 47.1	17 11.4	0.374511	80	0 24.2
19.0	22 18 44.05	3 0.19	11 37 35.7	17 17.9	0.374591	78	0 23.3
20.0	22 21 44.24	2 59.81	11 20 17.8	17 24.3	0.374669	77	0 22.3
21.0	22 24 44.05	2 59.43	11 2 53.5	17 30.4	0.374746	76	0 21.4
22.0	22 27 43.48	2 59.05	10 45 23.1	17 36.3	0.374822	74	0 20.4
23.0	22 30 42.53	2 58.68	−10 27 46.8	17 42.1	0.374896	72	0 19.5
24.0	22 33 41.21	2 58.31	10 10 4.7	17 47.5	0.374968	71	0 18.5
25.0	22 36 39.52	2 57.94	9 52 17.2	17 52.8	0.375039	69	0 17.6
26.0	22 39 37.46	2 57.58	9 34 24.4	17 57.8	0.375108	68	0 16.6
27.0	22 42 35.04	2 57.23	9 16 26.6	18 2.6	0.375176	67	0 15.6
28.0	22 45 32.27	2 56.88	8 58 24.0	18 7.2	0.375243	66	0 14.6
März 1.0	22 48 29.15	2 56.54	− 8 40 16.8	18 11.7	0.375309	64	0 13.6
2.0	22 51 25.69	2 56.21	8 22 5.1	18 15.9	0.375373	63	0 12.6
3.0	22 54 21.90	2 55.88	8 3 49.2	18 19.9	0.375436	62	0 11.6
4.0	22 57 17.78	2 55.57	7 45 29.3	18 23.7	0.375498	61	0 10.6
5.0	23 0 13.35	2 55.25	7 27 5.6	18 27.3	0.375559	59	0 9.6
6.0	23 3 8.60	2 54.95	7 8 38.3	18 30.7	0.375618	59	0 8.6
7.0	23 6 3.55	2 54.66	− 6 50 7.6	18 33.9	0.375677	57	0 7.5
8.0	23 8 58.21	2 54.38	6 31 33.7	18 37.0	0.375734	57	0 6.5
9.0	23 11 52.59	2 54.10	6 12 56.7	18 39.8	0.375791	55	0 5.5
10.0	23 14 46.69	2 53.84	5 54 16.9	18 42.5	0.375846	54	0 4.4
11.0	23 17 40.53	2 53.58	5 35 34.4	18 44.9	0.375900	53	0 3.4
12.0	23 20 34.11	2 53.33	5 16 49.5	18 47.2	0.375953	52	0 2.3
13.0	23 23 27.44	2 53.09	− 4 58 2.3	18 49.2	0.376005	50	0 1.3
14.0	23 26 20.53	2 52.86	4 39 13.1	18 51.1	0.376055	49	{ 0 0.2 23 59.1
15.0	23 29 13.39	2 52.65	4 20 22.0	18 52.8	0.376104	48	23 58.1
16.0	23 32 6.04	2 52.43	4 1 29.2	18 54.2	0.376152	46	23 57.0
17.0	23 34 58.47	2 52.22	3 42 35.0	18 55.5	0.376198	45	23 55.9
18.0	23 37 50.69	2 52.03	3 23 39.5	18 56.6	0.376243	43	23 54.9
19.0	23 40 42.72	2 51.84	− 3 4 42.9	18 57.5	0.376286	41	23 53.8
20.0	23 43 34.56	2 51.65	2 45 45.4	18 58.1	0.376327	39	23 52.7
21.0	23 46 26.21	2 51.48	2 26 47.3	18 58.6	0.376366	38	23 51.6
22.0	23 49 17.69	2 51.30	2 7 48.7	18 58.8	0.376404	36	23 50.6
23.0	23 52 8.99	2 51.14	1 48 49.9	18 58.9	0.376440	34	23 49.5
24.0	23 55 0.13		1 29 51.0		0.376474		23 48.3

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Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
März 24.0	23 55 0.13	2 50.98	− 1 29 51.0	18 58.6	0.376474	31	23 48.3
25.0	23 57 51.11	2 50.83	1 10 52.4	18 58.3	0.376505	30	23 47.2
26.0	0 0 41.94	2 50.68	0 51 54.1	18 57.8	0.376535	28	23 46.1
27.0	0 3 32.62	2 50.55	0 32 56.3	18 57.0	0.376563	26	23 45.0
28.0	0 6 23.17	2 50.42	− 0 13 59.3	18 56.1	0.376589	24	23 44.0
29.0	0 9 13.59	2 50.29	+ 0 4 56.8	18 54.9	0.376613	22	23 42.9
30.0	0 12 3.88	2 50.18	+ 0 23 51.7	18 53.6	0.376635	21	23 41.8
31.0	0 14 54.06	2 50.08	0 42 45.3	18 52.2	0.376656	19	23 40.7
April 1.0	0 17 44.14	2 49.98	1 1 37.5	18 50.5	0.376675	17	23 39.6
2.0	0 20 34.12	2 49.89	1 20 28.0	18 48.6	0.376692	15	23 38.4
3.0	0 23 24.01	2 49.81	1 39 16.6	18 46.7	0.376707	13	23 37.3
4.0	0 26 13.82	2 49.74	1 58 3.3	18 44.5	0.376720	11	23 36.2
5.0	0 29 3.56	2 49.68	+ 2 16 47.8	18 42.1	0.376731	10	23 35.1
6.0	0 31 53.24	2 49.62	2 35 29.9	18 39.6	0.376741	8	23 34.0
7.0	0 34 42.86	2 49.59	2 54 9.5	18 37.0	0.376749	5	23 32.9
8.0	0 37 32.45	2 49.55	3 12 46.5	18 34.1	0.376754	4	23 31.8
9.0	0 40 22.00	2 49.53	3 31 20.6	18 31.0	0.376758	2	23 30.6
10.0	0 43 11.53	2 49.51	3 49 51.6	18 27.9	0.376760	0	23 29.5
11.0	0 46 1.04	2 49.50	+ 4 8 19.5	18 24.6	0.376760	2	23 28.4
12.0	0 48 50.54	2 49.51	4 26 44.1	18 21.0	0.376758	5	23 27.3
13.0	0 51 40.05	2 49.51	4 45 5.1	18 17.3	0.376753	7	23 26.2
14.0	0 54 29.56	2 49.53	5 3 22.4	18 13.5	0.376746	10	23 25.1
15.0	0 57 19.09	2 49.55	5 21 35.9	18 9.4	0.376736	12	23 23.9
16.0	1 0 8.64	2 49.59	5 39 45.3	18 5.2	0.376724	15	23 22.8
17.0	1 2 58.23	2 49.62	+ 5 57 50.5	18 0.8	0.376709	18	23 21.7
18.0	1 5 47.85	2 49.66	6 15 51.3	17 56.3	0.376691	20	23 20.6
19.0	1 8 37.51	2 49.71	6 33 47.6	17 51.5	0.376671	24	23 19.5
20.0	1 11 27.22	2 49.76	6 51 39.1	17 46.7	0.376647	26	23 18.3
21.0	1 14 16.98	2 49.81	7 9 25.8	17 41.5	0.376621	30	23 17.2
22.0	1 17 6.79	2 49.88	7 27 7.3	17 36.3	0.376591	33	23 16.1
23.0	1 19 56.67	2 49.94	+ 7 44 43.6	17 30.8	0.376558	35	23 15.0
24.0	1 22 46.61	2 50.01	8 2 14.4	17 25.3	0.376523	39	23 13.9
25.0	1 25 36.62	2 50.08	8 19 39.7	17 19.4	0.376484	43	23 12.8
26.0	1 28 26.70	2 50.16	8 36 59.1	17 13.6	0.376441	45	23 11.7
27.0	1 31 16.86	2 50.25	8 54 12.7	17 7.5	0.376396	48	23 10.6
28.0	1 34 7.11	2 50.33	9 11 20.2	17 1.3	0.376348	52	23 9.5
29.0	1 36 57.44	2 50.43	+ 9 28 21.5	16 54.9	0.376296	54	23 8.4
30.0	1 39 47.87	2 50.54	9 45 16.4	16 48.4	0.376242	58	23 7.3
Mai 1.0	1 42 38.41	2 50.64	10 2 4.8	16 41.8	0.376184	61	23 6.2
2.0	1 45 29.05	2 50.75	10 18 46.6	16 34.9	0.376123	65	23 5.1
3.0	1 48 19.80	2 50.87	10 35 21.5	16 28.1	0.376058	67	23 4.0
4.0	1 51 10.67		10 51 49.6		0.375991		23 2.9

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
Mai 4.0	1 51 10.67	2 51.00	+10 51 49.6	16 20.9	0.375991	71	23 2.9
5.0	1 54 1.67	2 51.12	11 8 10.5	16 13.7	0.375920	74	23 1.8
6.0	1 56 52.79	2 51.26	11 24 24.2	16 6.4	0.375846	78	23 0.8
7.0	1 59 44.05	2 51.41	11 40 30.6	15 58.9	0.375768	81	22 59.7
8.0	2 2 35.46	2 51.55	11 56 29.5	15 51.2	0.375687	84	22 58.6
9.0	2 5 27.01	2 51.70	12 12 20.7	15 43.5	0.375603	88	22 57.5
10.0	2 8 18.71	2 51.86	+12 28 4.2	15 35.7	0.375515	92	22 56.4
11.0	2 11 10.57	2 52.03	12 43 39.9	15 27.6	0.375423	95	22 55.3
12.0	2 14 2.60	2 52.19	12 59 7.5	15 19.4	0.375328	100	22 54.3
13.0	2 16 54.79	2 52.36	13 14 26.9	15 11.1	0.375228	103	22 53.2
14.0	2 19 47.15	2 52.54	13 29 38.0	15 2.7	0.375125	108	22 52.1
15.0	2 22 39.69	2 52.70	13 44 40.7	14 54.1	0.375017	113	22 51.1
16.0	2 25 32.39	2 52.88	+13 59 34.8	14 45.4	0.374904	116	22 50.0
17.0	2 28 25.27	2 53.05	14 14 20.2	14 36.5	0.374788	122	22 49.0
18.0	2 31 18.32	2 53.22	14 28 56.7	14 27.5	0.374666	126	22 47.9
19.0	2 34 11.54	2 53.40	14 43 24.2	14 18.4	0.374540	130	22 46.9
20.0	2 37 4.94	2 53.57	14 57 42.6	14 9.0	0.374410	136	22 45.8
21.0	2 39 58.51	2 53.75	15 11 51.6	13 59.7	0.374274	140	22 44.8
22.0	2 42 52.26	2 53.92	+15 25 51.3	13 50.1	0.374134	145	22 43.7
23.0	2 45 46.18	2 54.08	15 39 41.4	13 40.5	0.373989	150	22 42.7
24.0	2 48 40.26	2 54.26	15 53 21.9	13 30.7	0.373839	155	22 41.6
25.0	2 51 34.52	2 54.43	16 6 52.6	13 20.9	0.373684	160	22 40.6
26.0	2 54 28.95	2 54.60	16 20 13.5	13 10.9	0.373524	165	22 39.6
27.0	2 57 23.55	2 54.76	16 33 24.4	13 0.7	0.373359	170	22 38.5
28.0	3 0 18.31	2 54.94	+16 46 25.1	12 50.6	0.373189	174	22 37.5
29.0	3 3 13.25	2 55.10	16 59 15.7	12 40.2	0.373015	180	22 36.5
30.0	3 6 8.35	2 55.27	17 11 55.9	12 29.8	0.372835	185	22 35.5
31.0	3 9 3.62	2 55.44	17 24 25.7	12 19.3	0.372650	190	22 34.4
Juni 1.0	3 11 59.06	2 55.61	17 36 45.0	12 8.7	0.372460	195	22 33.4
2.0	3 14 54.67	2 55.77	17 48 53.7	11 58.0	0.372265	200	22 32.4
3.0	3 17 50.44	2 55.94	+18 0 51.7	11 47.1	0.372065	206	22 31.4
4.0	3 20 46.38	2 56.11	18 12 38.8	11 36.2	0.371859	211	22 30.4
5.0	3 23 42.49	2 56.28	18 24 15.0	11 25.3	0.371648	216	22 29.4
6.0	3 26 38.77	2 56.44	18 35 40.3	11 14.2	0.371432	222	22 28.4
7.0	3 29 35.21	2 56.61	18 46 54.5	11 3.1	0.371210	227	22 27.4
8.0	3 32 31.82	2 56.77	18 57 57.6	10 51.8	0.370983	233	22 26.4
9.0	3 35 28.59	2 56.94	+19 8 49.4	10 40.4	0.370750	239	22 25.4
10.0	3 38 25.53	2 57.09	19 19 29.8	10 29.0	0.370511	244	22 24.4
11.0	3 41 22.62	2 57.25	19 29 58.8	10 17.6	0.370267	251	22 23.4
12.0	3 44 19.87	2 57.40	19 40 16.4	10 5.9	0.370016	258	22 22.5
13.0	3 47 17.27	2 57.54	19 50 22.3	9 54.2	0.369758	263	22 21.5
14.0	3 50 14.81		20 0 16.5		0.369495		22 20.5

Mittlere Zeit Greenwich		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
		h m s	m s	° ′ ″	′ ″			h m
Juni	14.0	3 50 14.81	2 57.68	+20 0 16.5	9 42.5	0.369495	271	22 20.5
	15.0	3 53 12.49	2 57.80	20 9 59.0	9 30.6	0.369224	276	22 19.5
	16.0	3 56 10.29	2 57.94	20 19 29.6	9 18.7	0.368948	284	22 18.5
	17.0	3 59 8.23	2 58.05	20 28 48.3	9 6.7	0.368664	290	22 17.5
	18.0	4 2 6.28	2 58.16	20 37 55.0	8 54.7	0.368374	297	22 16.6
	19.0	4 5 4.44	2 58.27	20 46 49.7	8 42.5	0.368077	302	22 15.6
	20.0	4 8 2.71	2 58.35	+20 55 32.2	8 30.4	0.367772	311	22 14.6
	21.0	4 11 1.06	2 58.44	21 4 2.6	8 18.1	0.367461	318	22 13.6
	22.0	4 13 59.50	2 58.53	21 12 20.7	8 5.9	0.367143	325	22 12.7
	23.0	4 16 58.03	2 58.59	21 20 26.6	7 53.5	0.366818	332	22 11.7
	24.0	4 19 56.62	2 58.66	21 28 20.1	7 41.1	0.366486	340	22 10.8
	25.0	4 22 55.28	2 58.72	21 36 1.2	7 28.7	0.366146	347	22 9.8
	26.0	4 25 54.00	2 58.77	+21 43 29.9	7 16.2	0.365799	354	22 8.8
	27.0	4 28 52.77	2 58.81	21 50 46.1	7 3.8	0.365445	361	22 7.9
	28.0	4 31 51.58	2 58.86	21 57 49.9	6 51.2	0.365084	368	22 6.9
	29.0	4 34 50.44	2 58.88	22 4 41.1	6 38.6	0.364716	376	22 5.9
	30.0	4 37 49.32	2 58.91	22 11 19.7	6 26.1	0.364340	383	22 5.0
Juli	1.0	4 40 48.23	2 58.92	22 17 45.8	6 13.4	0.363957	390	22 4.0
	2.0	4 43 47.15	2 58.93	+22 23 59.2	6 0.7	0.363567	398	22 3.1
	3.0	4 46 46.08	2 58.94	22 29 59.9	5 48.1	0.363169	405	22 2.1
	4.0	4 49 45.02	2 58.94	22 35 48.0	5 35.4	0.362764	413	22 1.1
	5.0	4 52 43.96	2 58.94	22 41 23.4	5 22.7	0.362351	421	22 0.2
	6.0	4 55 42.90	2 58.91	22 46 46.1	5 9.9	0.361930	429	21 59.2
	7.0	4 58 41.81	2 58.90	22 51 56.0	4 57.2	0.361501	437	21 58.3
	8.0	5 1 40.71	2 58.87	+22 56 53.2	4 44.5	0.361064	445	21 57.3
	9.0	5 4 39.58	2 58.83	23 1 37.7	4 31.8	0.360619	453	21 56.4
	10.0	5 7 38.41	2 58.79	23 6 9.5	4 19.0	0.360166	462	21 55.4
	11.0	5 10 37.20	2 58.73	23 10 28.5	4 6.2	0.359704	470	21 54.4
	12.0	5 13 35.93	2 58.66	23 14 34.7	3 53.4	0.359234	479	21 53.4
	13.0	5 16 34.59	2 58.58	23 18 28.1	3 40.7	0.358755	488	21 52.5
	14.0	5 19 33.17	2 58.48	+23 22 8.8	3 27.9	0.358267	498	21 51.5
	15.0	5 22 31.65	2 58.39	23 25 36.7	3 15.2	0.357769	506	21 50.6
	16.0	5 25 30.04	2 58.27	23 28 51.9	3 2.5	0.357263	515	21 49.6
	17.0	5 28 28.31	2 58.15	23 31 54.4	2 49.7	0.356748	525	21 48.6
	18.0	5 31 26.46	2 58.01	23 34 44.1	2 37.1	0.356223	534	21 47.7
	19.0	5 34 24.47	2 57.86	23 37 21.2	2 24.5	0.355689	544	21 46.7
	20.0	5 37 22.33	2 57.70	+23 39 45.7	2 11.8	0.355145	553	21 45.7
	21.0	5 40 20.03	2 57.54	23 41 57.5	1 59.2	0.354592	563	21 44.7
	22.0	5 43 17.57	2 57.35	23 43 56.7	1 46.7	0.354029	572	21 43.7
	23.0	5 46 14.92	2 57.15	23 45 43.4	1 34.2	0.353457	582	21 42.7
	24.0	5 49 12.07	2 56.96	23 47 17.6	1 21.7	0.352875	591	21 41.7
	25.0	5 52 9.03		23 48 39.3		0.352284		21 40.7

Mittlere Zeit Greenwich		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
		h m s	m s	° ′ ″	′ ″			h m
Juli	25.0	5 52 9.03	2 56.75	+23 48 39.3	1 9.3	0.352284	601	21 40.7
	26.0	5 55 5.78	2 56.52	23 49 48.6	0 56.9	0.351683	611	21 39.7
	27.0	5 58 2.30	2 56.30	23 50 45.5	0 44.6	0.351072	621	21 38.7
	28.0	6 0 58.60	2 56.06	23 51 30.1	0 32.4	0.350451	630	21 37.7
	29.0	6 3 54.66	2 55.82	23 52 2.5	0 20.1	0.349821	640	21 36.7
	30.0	6 6 50.48	2 55.57	23 52 22.6	0 7.9	0.349181	651	21 35.7
	31.0	6 9 46.05	2 55.30	+23 52 30.5	0 4.2	0.348530	660	21 34.7
Aug.	1.0	6 12 41.35	2 55.04	23 52 26.3	0 16.3	0.347870	670	21 33.7
	2.0	6 15 36.39	2 54.76	23 52 10.0	0 28.2	0.347200	681	21 32.6
	3.0	6 18 31.15	2 54.49	23 51 41.8	0 40.3	0.346519	691	21 31.6
	4.0	6 21 25.64	2 54.19	23 51 1.5	0 52.1	0.345828	701	21 30.6
	5.0	6 24 19.83	2 53.91	23 50 9.4	1 3.9	0.345127	712	21 29.5
	6.0	6 27 13.74	2 53.60	+23 49 5.5	1 15.7	0.344415	723	21 28.5
	7.0	6 30 7.34	2 53.29	23 47 49.8	1 27.3	0.343692	734	21 27.4
	8.0	6 33 0.63	2 52.97	23 46 22.5	1 38.9	0.342958	745	21 26.4
	9.0	6 35 53.60	2 52.63	23 44 43.6	1 50.4	0.342213	757	21 25.3
	10.0	6 38 46.23	2 52.29	23 42 53.2	2 1.8	0.341456	768	21 24.2
	11.0	6 41 38.52	2 51.94	23 40 51.4	2 13.1	0.340688	780	21 23.1
	12.0	6 44 30.46	2 51.58	+23 38 38.3	2 24.4	0.339908	791	21 22.1
	13.0	6 47 22.04	2 51.20	23 36 13.9	2 35.5	0.339117	803	21 21.0
	14.0	6 50 13.24	2 50.83	23 33 38.4	2 46.6	0.338314	816	21 19.9
	15.0	6 53 4.07	2 50.43	23 30 51.8	2 57.5	0.337498	827	21 18.8
	16.0	6 55 54.50	2 50.03	23 27 54.3	3 8.4	0.336671	840	21 17.7
	17.0	6 58 44.53	2 49.62	23 24 45.9	3 19.1	0.335831	851	21 16.6
	18.0	7 1 34.15	2 49.21	+23 21 26.8	3 29.8	0.334980	864	21 15.4
	19.0	7 4 23.36	2 48.78	23 17 57.0	3 40.4	0.334116	876	21 14.3
	20.0	7 7 12.14	2 48.34	23 14 16.6	3 50.7	0.333240	889	21 13.2
	21.0	7 10 0.48	2 47.90	23 10 25.9	4 1.0	0.332351	901	21 12.0
	22.0	7 12 48.38	2 47.46	23 6 24.9	4 11.3	0.331450	914	21 10.9
	23.0	7 15 35.84	2 46.99	23 2 13.6	4 21.3	0.330536	926	21 9.7
	24.0	7 18 22.83	2 46.54	+22 57 52.3	4 31.3	0.329610	939	21 8.6
	25.0	7 21 9.37	2 46.07	22 53 21.0	4 41.2	0.328671	951	21 7.4
	26.0	7 23 55.44	2 45.60	22 48 39.8	4 51.0	0.327720	964	21 6.2
	27.0	7 26 41.04	2 45.13	22 43 48.8	5 0.7	0.326756	977	21 5.0
	28.0	7 29 26.17	2 44.64	22 38 48.1	5 10.2	0.325779	990	21 3.8
	29.0	7 32 10.81	2 44.17	22 33 37.9	5 19.7	0.324789	1002	21 2.6
	30.0	7 34 54.98	2 43.68	+22 28 18.2	5 29.0	0.323787	1016	21 1.4
	31.0	7 37 38.66	2 43.19	22 22 49.2	5 38.2	0.322771	1029	21 0.2
Sept.	1.0	7 40 21.85	2 42.70	22 17 11.0	5 47.4	0.321742	1042	20 59.0
	2.0	7 43 4.55	2 42.21	22 11 23.6	5 56.4	0.320700	1056	20 57.7
	3.0	7 45 46.76	2 41.72	22 5 27.2	6 5.2	0.319644	1070	20 56.4
	4.0	7 48 28.48		21 59 22.0		0.318574		20 55.2

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
Sept. 4.0	7 48 28.48	2 41.21	+21 59 22.0	6 14.0	0.318574	1083	20 55.2
5.0	7 51 9.69	2 40.71	21 53 8.0	6 22.6	0.317491	1098	20 54.0
6.0	7 53 50.40	2 40.20	21 46 45.4	6 31.1	0.316393	1112	20 52.7
7.0	7 56 30.60	2 39.69	21 40 14.3	6 39.5	0.315281	1126	20 51.4
8.0	7 59 10.29	2 39.16	21 33 34.8	6 47.8	0.314155	1141	20 50.1
9.0	8 1 49.45	2 38.63	21 26 47.0	6 55.8	0.313014	1156	20 48.8
10.0	8 4 28.08	2 38.10	+21 19 51.2	7 3.8	0.311858	1171	20 47.5
11.0	8 7 6.18	2 37.56	21 12 47.4	7 11.6	0.310687	1186	20 46.2
12.0	8 9 43.74	2 37.02	21 5 35.8	7 19.3	0.309501	1201	20 44.9
13.0	8 12 20.76	2 36.47	20 58 16.5	7 26.8	0.308300	1216	20 43.6
14.0	8 14 57.23	2 35.91	20 50 49.7	7 34.2	0.307084	1231	20 42.2
15.0	8 17 33.14	2 35.36	20 43 15.5	7 41.5	0.305853	1247	20 40.9
16.0	8 20 8.50	2 34.80	+20 35 34.0	7 48.6	0.304606	1263	20 39.5
17.0	8 22 43.30	2 34.23	20 27 45.4	7 55.6	0.303343	1278	20 38.1
18.0	8 25 17.53	2 33.68	20 19 49.8	8 2.4	0.302065	1294	20 36.8
19.0	8 27 51.21	2 33.08	20 11 47.4	8 9.1	0.300771	1310	20 35.4
20.0	8 30 24.29	2 32.51	20 3 38.3	8 15.7	0.299461	1326	20 34.0
21.0	8 32 56.80	2 31.94	19 55 22.6	8 22.0	0.298135	1341	20 32.6
22.0	8 35 28.74	2 31.36	+19 47 0.6	8 28.3	0.296794	1357	20 31.2
23.0	8 38 0.10	2 30.77	19 38 32.3	8 34.5	0.295437	1374	20 29.7
24.0	8 40 30.87	2 30.20	19 29 57.8	8 40.6	0.294063	1389	20 28.3
25.0	8 43 1.07	2 29.61	19 21 17.2	8 46.4	0.292674	1406	20 26.9
26.0	8 45 30.68	2 29.04	19 12 30.8	8 52.2	0.291268	1421	20 25.4
27.0	8 47 59.72	2 28.46	19 3 38.6	8 57.8	0.289847	1439	20 23.9
28.0	8 50 28.18	2 27.89	+18 54 40.8	9 3.4	0.288408	1454	20 22.5
29.0	8 52 56.07	2 27.30	18 45 37.4	9 8.8	0.286954	1472	20 21.0
30.0	8 55 23.37	2 26.73	18 36 28.6	9 14.0	0.285482	1488	20 19.5
Okt. 1.0	8 57 50.10	2 26.15	18 27 14.6	9 19.2	0.283994	1505	20 18.0
2.0	9 0 16.25	2 25.57	18 17 55.4	9 24.2	0.282489	1523	20 16.4
3.0	9 2 41.82	2 25.00	18 8 31.2	9 29.0	0.280966	1540	20 14.9
4.0	9 5 6.82	2 24.42	+17 59 2.2	9 33.7	0.279426	1558	20 13.4
5.0	9 7 31.24	2 23.84	17 49 28.5	9 38.3	0.277868	1576	20 11.9
6.0	9 9 55.08	2 23.25	17 39 50.2	9 42.6	0.276292	1595	20 10.3
7.0	9 12 18.33	2 22.66	17 30 7.6	9 46.9	0.274697	1612	20 8.7
8.0	9 14 40.99	2 22.07	17 20 20.7	9 51.0	0.273085	1631	20 7.2
9.0	9 17 3.06	2 21.48	17 10 29.7	9 54.9	0.271454	1650	20 5.6
10.0	9 19 24.54	2 20.88	+17 0 34.8	9 58.8	0.269804	1668	20 4.0
11.0	9 21 45.42	2 20.27	16 50 36.0	10 2.3	0.268136	1688	20 2.4
12.0	9 24 5.69	2 19.68	16 40 33.7	10 5.9	0.266448	1706	20 0.8
13.0	9 26 25.37	2 19.07	16 30 27.8	10 9.2	0.264742	1726	19 59.2
14.0	9 28 44.44	2 18.46	16 20 18.6	10 12.4	0.263016	1745	19 57.5
15.0	9 31 2.90		16 10 6.2		0.261271		19 55.9

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
Okt. 15.0	9 31 2.90	2 17.84	+16 10 6.2	10 15.4	0.261271	1764	19 55.9
16.0	9 33 20.74	2 17.23	15 59 50.8	10 18.2	0.259507	1784	19 54.2
17.0	9 35 37.97	2 16.60	15 49 32.6	10 21.0	0.257723	1803	19 52.6
18.0	9 37 54.57	2 15.98	15 39 11.6	10 23.5	0.255920	1823	19 50.9
19.0	9 40 10.55	2 15.36	15 28 48.1	10 25.9	0.254097	1843	19 49.2
20.0	9 42 25.91	2 14.74	15 18 22.2	10 28.2	0.252254	1862	19 47.5
21.0	9 44 40.65	2 14.11	+15 7 54.0	10 30.4	0.250392	1883	19 45.8
22.0	9 46 54.76	2 13.50	14 57 23.6	10 32.4	0.248509	1902	19 44.1
23.0	9 49 8.26	2 12.87	14 46 51.2	10 34.4	0.246607	1922	19 42.4
24.0	9 51 21.13	2 12.24	14 36 16.8	10 36.1	0.244685	1942	19 40.7
25.0	9 53 33.37	2 11.62	14 25 40.7	10 37.8	0.242743	1963	19 38.9
26.0	9 55 44.99	2 11.00	14 15 2.9	10 39.3	0.240780	1983	19 37.2
27.0	9 57 55.99	2 10.37	+14 4 23.6	10 40.6	0.238797	2003	19 35.4
28.0	10 0 6.36	2 9.75	13 53 43.0	10 41.9	0.236794	2025	19 33.6
29.0	10 2 16.11	2 9.13	13 43 1.1	10 42.9	0.234769	2045	19 31.8
30.0	10 4 25.24	2 8.50	13 32 18.2	10 44.0	0.232724	2066	19 30.0
31.0	10 6 33.74	2 7.88	13 21 34.2	10 44.8	0.230658	2088	19 28.2
Nov. 1.0	10 8 41.62	2 7.25	13 10 49.4	10 45.4	0.228570	2110	19 26.4
2.0	10 10 48.87	2 6.62	+13 0 4.0	10 46.0	0.226460	2131	19 24.6
3.0	10 12 55.49	2 5.98	12 49 18.0	10 46.3	0.224329	2154	19 22.7
4.0	10 15 1.47	2 5.33	12 38 31.7	10 46.6	0.222175	2176	19 20.9
5.0	10 17 6.80	2 4.69	12 27 45.1	10 46.6	0.219999	2199	19 19.0
6.0	10 19 11.49	2 4.04	12 16 58.5	10 46.5	0.217800	2221	19 17.2
7.0	10 21 15.53	2 3.37	12 6 12.0	10 46.1	0.215579	2244	19 15.3
8.0	10 23 18.90	2 2.71	+11 55 25.9	10 45.7	0.213335	2268	19 13.4
9.0	10 25 21.61	2 2.04	11 44 40.2	10 45.0	0.211067	2290	19 11.5
10.0	10 27 23.65	2 1.36	11 33 55.2	10 44.3	0.208777	2314	19 9.6
11.0	10 29 25.01	2 0.68	11 23 10.9	10 43.4	0.206463	2338	19 7.6
12.0	10 31 25.69	1 59.97	11 12 27.5	10 42.2	0.204125	2361	19 5.7
13.0	10 33 25.66	1 59.28	11 1 45.3	10 41.0	0.201764	2384	19 3.7
14.0	10 35 24.94	1 58.57	+10 51 4.3	10 39.5	0.199380	2409	19 1.8
15.0	10 37 23.51	1 57.85	10 40 24.8	10 37.9	0.196971	2432	18 59.8
16.0	10 39 21.36	1 57.13	10 29 46.9	10 36.2	0.194539	2456	18 57.8
17.0	10 41 18.49	1 56.41	10 19 10.7	10 34.3	0.192083	2479	18 55.8
18.0	10 43 14.90	1 55.69	10 8 36.4	10 32.3	0.189604	2504	18 53.8
19.0	10 45 10.59	1 54.94	9 58 4.1	10 30.2	0.187100	2527	18 51.8
20.0	10 47 5.53	1 54.20	+ 9 47 33.9	10 27.8	0.184573	2552	18 49.8
21.0	10 48 59.73	1 53.45	9 37 6.1	10 25.4	0.182021	2576	18 47.7
22.0	10 50 53.18	1 52.69	9 26 40.7	10 22.7	0.179445	2599	18 45.7
23.0	10 52 45.87	1 51.94	9 16 18.0	10 20.1	0.176846	2625	18 43.6
24.0	10 54 37.81	1 51.17	9 5 57.9	10 17.2	0.174221	2648	18 41.5
25.0	10 56 28.98		8 55 40.7		0.171573		18 39.4

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
Nov. 25.0	10 56 28.98	1 50.41	+8 55 40.7	10 14.2	0.171573	2673	18 39.4
26.0	10 58 19.39	1 49.63	8 45 26.5	10 10.9	0.168900	2699	18 37.3
27.0	11 0 9.02	1 48.84	8 35 15.6	10 7.7	0.166201	2723	18 35.2
28.0	11 1 57.86	1 48.05	8 25 7.9	10 4.2	0.163478	2748	18 33.0
29.0	11 3 45.91	1 47.25	8 15 3.7	10 0.6	0.160730	2774	18 30.9
30.0	11 5 33.16	1 46.43	8 5 3.1	9 56.8	0.157956	2800	18 28.7
Dez. 1.0	11 7 19.59	1 45.61	+7 55 6.3	9 52.9	0.155156	2825	18 26.5
2.0	11 9 5.20	1 44.76	7 45 13.4	9 48.6	0.152331	2852	18 24.4
3.0	11 10 49.96	1 43.92	7 35 24.8	9 44.3	0.149479	2877	18 22.2
4.0	11 12 33.88	1 43.04	7 25 40.5	9 39.7	0.146602	2905	18 19.9
5.0	11 14 16.92	1 42.17	7 16 0.8	9 35.0	0.143697	2930	18 17.7
6.0	11 15 59.09	1 41.26	7 6 25.8	9 30.0	0.140767	2957	18 15.5
7.0	11 17 40.35	1 40.35	+6 56 55.8	9 24.9	0.137810	2984	18 13.2
8.0	11 19 20.70	1 39.41	6 47 30.9	9 19.6	0.134826	3011	18 10.9
9.0	11 21 0.11	1 38.47	6 38 11.3	9 14.0	0.131815	3037	18 8.6
10.0	11 22 38.58	1 37.49	6 28 57.3	9 8.4	0.128778	3064	18 6.3
11.0	11 24 16.07	1 36.51	6 19 48.9	9 2.5	0.125714	3090	18 4.0
12.0	11 25 52.58	1 35.50	6 10 46.4	8 56.5	0.122624	3118	18 1.7
13.0	11 27 28.08	1 34.47	+6 1 49.9	8 50.2	0.119506	3143	17 59.3
14.0	11 29 2.55	1 33.43	5 52 59.7	8 43.7	0.116363	3171	17 56.9
15.0	11 30 35.98	1 32.36	5 44 16.0	8 37.1	0.113192	3196	17 54.5
16.0	11 32 8.34	1 31.29	5 35 38.9	8 30.3	0.109996	3223	17 52.1
17.0	11 33 39.63	1 30.18	5 27 8.6	8 23.3	0.106773	3249	17 49.7
18.0	11 35 9.81	1 29.07	5 18 45.3	8 16.2	0.103524	3274	17 47.2
19.0	11 36 38.88	1 27.93	+5 10 29.1	8 8.9	0.100250	3301	17 44.8
20.0	11 38 6.81	1 26.79	5 2 20.2	8 1.3	0.096949	3326	17 42.3
21.0	11 39 33.60	1 25.61	4 54 18.9	7 53.8	0.093623	3352	17 39.8
22.0	11 40 59.21	1 24.42	4 46 25.1	7 45.9	0.090271	3377	17 37.2
23.0	11 42 23.63	1 23.21	4 38 39.2	7 38.0	0.086894	3402	17 34.7
24.0	11 43 46.84	1 21.98	4 31 1.2	7 29.8	0.083492	3428	17 32.1
25.0	11 45 8.82	1 20.73	+4 23 31.4	7 21.5	0.080064	3454	17 29.5
26.0	11 46 29.55	1 19.44	4 16 9.9	7 12.8	0.076610	3478	17 26.9
27.0	11 47 48.99	1 18.15	4 8 57.1	7 4.1	0.073132	3504	17 24.3
28.0	11 49 7.14	1 16.81	4 1 53.0	6 55.1	0.069628	3529	17 21.7
29.0	11 50 23.95	1 15.46	3 54 57.9	6 45.8	0.066099	3554	17 19.0
30.0	11 51 39.41	1 14.06	3 48 12.1	6 36.4	0.062545	3578	17 16.3
31.0	11 52 53.47	1 12.64	+3 41 35.7	6 26.6	0.058967	3604	17 13.6
32.0	11 54 6.11		3 35 9.1		0.055363		17 10.8

Mittlere Zeit Greenwich		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
		h m s	m s	° ′ ″	′ ″			h m
Jan.	1.0	1 36 58.03	0 18.64	+ 8 45 15.9	2 27.5	0.665002	2918	6 53.6
	3.0	1 37 16.67	0 21.65	8 47 43.4	2 44.4	0.667920	2921	6 46.1
	5.0	1 37 38.32	0 24.62	8 50 27.8	3 1.3	0.670841	2920	6 38.6
	7.0	1 38 2.94	0 27.55	8 53 29.1	3 17.6	0.673761	2916	6 31.1
	9.0	1 38 30.49	0 30.45	8 56 46.7	3 33.8	0.676677	2909	6 23.7
	11.0	1 39 0.94	0 33.30	9 0 20.5	3 49.4	0.679586	2899	6 16.4
	13.0	1 39 34.24	0 36.10	+ 9 4 9.9	4 4.9	0.682485	2886	6 9.1
	15.0	1 40 10.34	0 38.87	9 8 14.8	4 19.9	0.685371	2871	6 1.8
	17.0	1 40 49.21	0 41.59	9 12 34.7	4 34.6	0.688242	2852	5 54.6
	19.0	1 41 30.80	0 44.26	9 17 9.3	4 49.0	0.691094	2831	5 47.4
	21.0	1 42 15.06	0 46.90	9 21 58.3	5 3.1	0.693925	2807	5 40.3
	23.0	1 43 1.96	0 49.48	9 27 1.4	5 16.5	0.696732	2781	5 33.2
	25.0	1 43 51.44	0 52.01	+ 9 32 17.9	5 29.6	0.699513	2752	5 26.2
	27.0	1 44 43.45	0 54.46	9 37 47.5	5 42.2	0.702265	2720	5 19.2
	29.0	1 45 37.91	0 56.86	9 43 29.7	5 54.4	0.704985	2688	5 12.2
	31.0	1 46 34.77	0 59.18	9 49 24.1	6 6.0	0.707673	2652	5 5.3
Febr.	2.0	1 47 33.95	1 1.47	9 55 30.1	6 17.2	0.710325	2616	4 58.4
	4.0	1 48 35.42	1 3.69	10 1 47.3	6 27.9	0.712941	2577	4 51.6
	6.0	1 49 39.11	1 5.85	+10 8 15.2	6 38.3	0.715518	2538	4 44.8
	8.0	1 50 44.96	1 7.95	10 14 53.5	6 48.2	0.718056	2497	4 38.0
	10.0	1 51 52.91	1 10.01	10 21 41.7	6 57.7	0.720553	2455	4 31.3
	12.0	1 53 2.92	1 12.02	10 28 39.4	7 6.9	0.723008	2411	4 24.6
	14.0	1 54 14.94	1 13.98	10 35 46.3	7 15.6	0.725419	2368	4 17.9
	16.0	1 55 28.92	1 15.87	10 43 1.9	7 23.9	0.727787	2321	4 11.3
	18.0	1 56 44.79	1 17.76	+10 50 25.8	7 31.9	0.730108	2274	4 4.7
	20.0	1 58 2.55	1 19.55	10 57 57.7	7 39.2	0.732382	2226	3 58.1
	22.0	1 59 22.10	1 21.30	11 5 36.9	7 46.3	0.734608	2176	3 51.6
	24.0	2 0 43.40	1 23.00	11 13 23.2	7 52.8	0.736784	2125	3 45.1
	26.0	2 2 6.40	1 24.64	11 21 16.0	7 59.0	0.738909	2075	3 38.6
	28.0	2 3 31.04	1 26.22	11 29 15.0	8 4.7	0.740984	2022	3 32.1
März	2.0	2 4 57.26	1 27.74	+11 37 19.7	8 10.0	0.743006	1969	3 25.7
	4.0	2 6 25.00	1 29.20	11 45 29.7	8 14.8	0.744975	1917	3 19.3
	6.0	2 7 54.20	1 30.64	11 53 44.5	8 19.4	0.746892	1864	3 12.9
	8.0	2 9 24.84	1 32.01	12 2 3.9	8 23.5	0.748756	1809	3 6.5
	10.0	2 10 56.85	1 33.34	12 10 27.4	8 27.3	0.750565	1756	3 0.2
	12.0	2 12 30.19	1 34.64	12 18 54.7	8 30.7	0.752321	1701	2 53.9
	14.0	2 14 4.83	1 35.89	+12 27 25.4	8 33.9	0.754022	1646	2 47.6
	16.0	2 15 40.72	1 37.10	12 35 59.3	8 36.7	0.755668	1591	2 41.3
	18.0	2 17 17.82	1 38.28	12 44 36.0	8 39.1	0.757259	1534	2 35.1
	20.0	2 18 56.10	1 39.41	12 53 15.1	8 41.1	0.758793	1479	2 28.8
	22.0	2 20 35.51	1 40.49	13 1 56.2	8 42.9	0.760272	1421	2 22.6
	24.0	2 22 16.00		13 10 39.1		0.761693		2 16.4

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
März 24.0	2 22 16.00	1 41.52	+13 10 39.1	8 44.2	0.761693	1364	2 16.4
26.0	2 23 57.52	1 42.50	13 19 23.3	8 45.1	0.763057	1306	2 10.2
28.0	2 25 40.02	1 43.43	13 28 8.4	8 45.8	0.764363	1249	2 4.1
30.0	2 27 23.45	1 44.32	13 36 54.2	8 46.1	0.765612	1191	1 57.9
April 1.0	2 29 7.77	1 45.17	13 45 40.3	8 46.2	0.766803	1133	1 51.8
3.0	2 30 52.94	1 45.98	13 54 26.5	8 45.9	0.767936	1076	1 45.7
5.0	2 32 38.92	1 46.74	+14 3 12.4	8 45.3	0.769012	1018	1 39.6
7.0	2 34 25.66	1 47.48	14 11 57.7	8 44.5	0.770030	961	1 33.5
9.0	2 36 13.14	1 48.18	14 20 42.2	8 43.5	0.770991	903	1 27.4
11.0	2 38 1.32	1 48.83	14 29 25.7	8 42.1	0.771894	846	1 21.3
13.0	2 39 50.15	1 49.47	14 38 7.8	8 40.5	0.772740	788	1 15.3
15.0	2 41 39.62	1 50.07	14 46 48.3	8 38.7	0.773528	730	1 9.2
17.0	2 43 29.69	1 50.63	+14 55 27.0	8 36.7	0.774258	671	1 3.2
19.0	2 45 20.32	1 51.16	15 4 3.7	8 34.2	0.774929	613	0 57.2
21.0	2 47 11.48	1 51.62	15 12 37.9	8 31.6	0.775542	555	0 51.1
23.0	2 49 3.10	1 52.05	15 21 9.5	8 28.6	0.776097	496	0 45.1
25.0	2 50 55.15	1 52.44	15 29 38.1	8 25.4	0.776593	438	0 39.1
27.0	2 52 47.59	1 52.79	15 38 3.5	8 22.1	0.777031	380	0 33.1
29.0	2 54 40.38	1 53.09	+15 46 25.6	8 18.5	0.777411	321	0 27.1
Mai 1.0	2 56 33.47	1 53.36	15 54 44.1	8 14.7	0.777732	264	0 21.2
3.0	2 58 26.83	1 53.60	16 2 58.8	8 10.7	0.777996	207	0 15.2
5.0	3 0 20.43	1 53.81	16 11 9.5	8 6.5	0.778203	149	0 9.2
7.0	3 2 14.24	1 53.99	16 19 16.0	8 2.1	0.778352	92	0 3.2
9.0	3 4 8.23	1 54.12	16 27 18.1	7 57.6	0.778444	35	23 54.2
11.0	3 6 2.35	1 54.22	+16 35 15.7	7 53.0	0.778479	— 23	23 48.3
13.0	3 7 56.57	1 54.31	16 43 8.7	7 48.0	0.778456	80	23 42.3
15.0	3 9 50.88	1 54.35	16 50 56.7	7 43.1	0.778376	137	23 36.3
17.0	3 11 45.23	1 54.34	16 58 39.8	7 37.8	0.778239	194	23 30.3
19.0	3 13 39.57	1 54.29	17 6 17.6	7 32.4	0.778045	253	23 24.4
21.0	3 15 33.86	1 54.21	17 13 50.0	7 26.8	0.777792	309	23 18.4
23.0	3 17 28.07	1 54.06	+17 21 16.8	7 21.1	0.777483	367	23 12.5
25.0	3 19 22.13	1 53.88	17 28 37.9	7 15.2	0.777116	423	23 6.5
27.0	3 21 16.01	1 53.67	17 35 53.1	7 9.2	0.776693	480	23 0.5
29.0	3 23 9.68	1 53.41	17 43 2.3	7 3.0	0.776213	536	22 54.5
31.0	3 25 3.09	1 53.12	17 50 5.3	6 56.8	0.775677	593	22 48.5
Juni 2.0	3 26 56.21	1 52.78	17 57 2.1	6 50.4	0.775084	647	22 42.5
4.0	3 28 48.99	1 52.41	+18 3 52.5	6 44.0	0.774437	704	22 36.5
6.0	3 30 41.40	1 52.02	18 10 36.5	6 37.5	0.773733	758	22 30.6
8.0	3 32 33.42	1 51.59	18 17 14.0	6 30.8	0.772975	814	22 24.6
10.0	3 34 25.01	1 51.12	18 23 44.8	6 24.2	0.772161	869	22 18.5
12.0	3 36 16.13	1 50.59	18 30 9.0	6 17.3	0.771292	924	22 12.5
14.0	3 38 6.72		18 36 26.3		0.770368		22 6.5

Mittlere Zeit Greenwich		Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
Juni	14.0	3h 38m 6.72s	1m 50.04s	+18° 36′ 26.3″	6′ 10.4″	0.770368	980	22h 6.5m
	16.0	3 39 56.76	1 49.41	18 42 36.7	6 3.3	0.769388	1035	22 0.4
	18.0	3 41 46.17	1 48.75	18 48 40.0	5 56.3	0.768353	1090	21 54.4
	20.0	3 43 34.92	1 48.02	18 54 36.3	5 49.1	0.767263	1144	21 48.3
	22.0	3 45 22.94	1 47.27	19 0 25.4	5 41.8	0.766119	1198	21 42.2
	24.0	3 47 10.21	1 46.45	19 6 7.2	5 34.6	0.764921	1252	21 36.1
	26.0	3 48 56.66	1 45.59	+19 11 41.8	5 27.3	0.763669	1305	21 30.0
	28.0	3 50 42.25	1 44.68	19 17 9.1	5 19.9	0.762364	1358	21 23.9
	30.0	3 52 26.93	1 43.74	19 22 29.0	5 12.5	0.761006	1410	21 17.8
Juli	2.0	3 54 10.67	1 42.74	19 27 41.5	5 5.0	0.759596	1462	21 11.6
	4.0	3 55 53.41	1 41.71	19 32 46.5	4 57.6	0.758134	1513	21 5.5
	6.0	3 57 35.12	1 40.63	19 37 44.1	4 50.2	0.756621	1565	20 59.3
	8.0	3 59 15.75	1 39.52	+19 42 34.3	4 42.7	0.755056	1615	20 53.1
	10.0	4 0 55.27	1 38.33	19 47 17.0	4 35.3	0.753441	1667	20 46.9
	12.0	4 2 33.60	1 37.09	19 51 52.3	4 27.6	0.751774	1717	20 40.6
	14.0	4 4 10.69	1 35.78	19 56 19.9	4 20.1	0.750057	1768	20 34.4
	16.0	4 5 46.47	1 34.43	20 0 40.0	4 12.6	0.748289	1816	20 28.1
	18.0	4 7 20.90	1 33.00	20 4 52.6	4 5.0	0.746473	1866	20 21.8
	20.0	4 8 53.90	1 31.51	+20 8 57.6	3 57.4	0.744607	1914	20 15.4
	22.0	4 10 25.41	1 29.97	20 12 55.0	3 49.9	0.742693	1960	20 9.1
	24.0	4 11 55.38	1 28.37	20 16 44.9	3 42.4	0.740733	2008	20 2.7
	26.0	4 13 23.75	1 26.72	20 20 27.3	3 34.8	0.738725	2052	19 56.3
	28.0	4 14 50.47	1 25.02	20 24 2.1	3 27.5	0.736673	2097	19 49.9
	30.0	4 16 15.49	1 23.25	20 27 29.6	3 20.1	0.734576	2140	19 43.4
Aug.	1.0	4 17 38.74	1 21.44	+20 30 49.7	3 12.7	0.732436	2183	19 36.9
	3.0	4 19 0.18	1 19.56	20 34 2.4	3 5.3	0.730253	2225	19 30.4
	5.0	4 20 19.74	1 17.63	20 37 7.7	2 58.0	0.728028	2266	19 23.8
	7.0	4 21 37.37	1 15.63	20 40 5.7	2 50.7	0.725762	2307	19 17.2
	9.0	4 22 53.00	1 13.58	20 42 56.4	2 43.5	0.723455	2345	19 10.6
	11.0	4 24 6.58	1 11.44	20 45 39.9	2 36.2	0.721110	2384	19 3.9
	13.0	4 25 18.02	1 9.22	+20 48 16.1	2 29.1	0.718726	2421	18 57.2
	15.0	4 26 27.24	1 6.95	20 50 45.2	2 21.9	0.716305	2456	18 50.5
	17.0	4 27 34.19	1 4.60	20 53 7.1	2 14.9	0.713849	2489	18 43.7
	19.0	4 28 38.79	1 2.18	20 55 22.0	2 7.7	0.711360	2521	18 36.9
	21.0	4 29 40.97	0 59.71	20 57 29.7	2 0.8	0.708839	2550	18 30.1
	23.0	4 30 40.68	0 57.16	20 59 30.5	1 53.9	0.706289	2579	18 23.2
	25.0	4 31 37.84	0 54.58	+21 1 24.4	1 47.0	0.703710	2605	18 16.2
	27.0	4 32 32.42	0 51.92	21 3 11.4	1 40.2	0.701105	2629	18 9.3
	29.0	4 33 24.34	0 49.22	21 4 51.6	1 33.4	0.698476	2650	18 2.3
	31.0	4 34 13.56	0 46.45	21 6 25.0	1 26.7	0.695826	2671	17 55.2
Sept.	2.0	4 35 0.01	0 43.64	21 7 51.7	1 20.1	0.693155	2689	17 48.1
	4.0	4 35 43.65		21 9 11.8		0.690466		17 40.9

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
Sept. 4.0	4 35 43.65	0 40.75	+21 9 11.8	1 13.3	0.690466	2704	17 40.9
6.0	4 36 24.40	0 37.80	21 10 25.1	1 6.8	0.687762	2718	17 33.7
8.0	4 37 2.20	0 34.78	21 11 31.9	1 0.2	0.685044	2729	17 26.5
10.0	4 37 36.98	0 31.70	21 12 32.1	0 53.7	0.682315	2737	17 19.2
12.0	4 38 8.68	0 28.56	21 13 25.8	0 47.2	0.679578	2742	17 11.8
14.0	4 38 37.24	0 25.37	21 14 13.0	0 40.7	0.676836	2744	17 4.4
16.0	4 39 2.61	0 22.13	+21 14 53.7	0 34.3	0.674092	2741	16 57.0
18.0	4 39 24.74	0 18.85	21 15 28.0	0 27.9	0.671351	2736	16 49.4
20.0	4 39 43.59	0 15.55	21 15 55.9	0 21.5	0.668615	2727	16 41.9
22.0	4 39 59.14	0 12.21	21 16 17.4	0 15.2	0.665888	2715	16 34.2
24.0	4 40 11.35	0 8.85	21 16 32.6	0 8.9	0.663173	2698	16 26.6
26.0	4 40 20.20	0 5.47	21 16 41.5	0 2.6	0.660475	2677	16 18.8
28.0	4 40 25.67	0 2.07	+21 16 44.1	0 3.7	0.657798	2654	16 11.0
30.0	4 40 27.74	0 1.33	21 16 40.4	0 9.9	0.655144	2626	16 3.2
Okt. 2.0	4 40 26.41	0 4.75	21 16 30.5	0 16.2	0.652518	2595	15 55.3
4.0	4 40 21.66	0 8.18	21 16 14.3	0 22.5	0.649923	2559	15 47.3
6.0	4 40 13.48	0 11.61	21 15 51.8	0 28.7	0.647364	2518	15 39.3
8.0	4 40 1.87	0 15.05	21 15 23.1	0 35.0	0.644846	2474	15 31.2
10.0	4 39 46.82	0 18.47	+21 14 48.1	0 41.2	0.642372	2423	15 23.1
12.0	4 39 28.35	0 21.85	21 14 6.9	0 47.4	0.639949	2369	15 14.9
14.0	4 39 6.50	0 25.19	21 13 19.5	0 53.6	0.637580	2310	15 6.6
16.0	4 38 41.31	0 28.49	21 12 25.9	0 59.6	0.635270	2244	14 58.4
18.0	4 38 12.82	0 31.73	21 11 26.3	1 5.8	0.633026	2175	14 50.0
20.0	4 37 41.09	0 34.87	21 10 20.5	1 11.8	0.630851	2101	14 41.6
22.0	4 37 6.22	0 37.95	+21 9 8.7	1 17.8	0.628750	2021	14 33.2
24.0	4 36 28.27	0 40.91	21 7 50.9	1 23.5	0.626729	1938	14 24.6
26.0	4 35 47.36	0 43.78	21 6 27.4	1 29.3	0.624791	1850	14 16.1
28.0	4 35 3.58	0 46.54	21 4 58.1	1 35.1	0.622941	1757	14 7.5
30.0	4 34 17.04	0 49.20	21 3 23.0	1 40.6	0.621184	1661	13 58.9
Nov. 1.0	4 33 27.84	0 51.74	21 1 42.4	1 45.9	0.619523	1560	13 50.2
3.0	4 32 36.10	0 54.14	+20 59 56.5	1 51.1	0.617963	1455	13 41.4
5.0	4 31 41.96	0 56.41	20 58 5.4	1 56.3	0.616508	1346	13 32.6
7.0	4 30 45.55	0 58.52	20 56 9.1	2 1.2	0.615162	1232	13 23.8
9.0	4 29 47.03	1 0.47	20 54 7.9	2 6.0	0.613930	1116	13 15.0
11.0	4 28 46.56	1 2.23	20 52 1.9	2 10.2	0.612814	995	13 6.1
13.0	4 27 44.33	1 3.81	20 49 51.7	2 14.1	0.611819	871	12 57.2
15.0	4 26 40.52	1 5.20	+20 47 37.6	2 17.8	0.610948	744	12 48.3
17.0	4 25 35.32	1 6.36	20 45 19.8	2 21.1	0.610204	615	12 39.3
19.0	4 24 28.96	1 7.32	20 42 58.7	2 24.1	0.609589	485	12 30.4
21.0	4 23 21.64	1 8.07	20 40 34.6	2 26.5	0.609104	352	12 21.4
23.0	4 22 13.57	1 8.60	20 38 8.1	2 28.6	0.608752	219	12 12.4
25.0	4 21 4.97		20 35 39.5		0.608533		12 3.4

Mittlere Zeit Greenwich	Scheinbare Rektaszension	Diff.	Scheinbare Deklination	Diff.	log Δ	Diff.	Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
Nov. 25.0	4 21 4.97	1 8.92	+20 35 39.5	2 30.3	0.608533	85	12 3.4
27.0	4 19 56.05	1 9.05	20 33 9.2	2 31.3	0.608448	49	11 54.4
29.0	4 18 47.00	1 8.97	20 30 37.9	2 32.0	0.608497	184	11 45.4
Dez. 1.0	4 17 38.03	1 8.67	20 28 5.9	2 32.0	0.608681	318	11 36.4
3.0	4 16 29.36	1 8.18	20 25 33.9	2 31.7	0.608999	451	11 27.4
5.0	4 15 21.18	1 7.47	20 23 2.2	2 30.8	0.609450	584	11 18.4
7.0	4 14 13.71	1 6.57	+20 20 31.4	2 29.2	0.610034	716	11 9.4
9.0	4 13 7.14	1 5.44	20 18 2.2	2 27.1	0.610750	847	11 0.4
11.0	4 12 1.70	1 4.12	20 15 35.1	2 24.5	0.611597	975	10 51.5
13.0	4 10 57.58	1 2.59	20 13 10.6	2 21.1	0.612572	1100	10 42.6
15.0	4 9 54.99	1 0.87	20 10 49.5	2 17.2	0.613672	1223	10 33.7
17.0	4 8 54.12	0 58.96	20 8 32.3	2 12.9	0.614895	1343	10 24.8
19.0	4 7 55.16	0 56.88	+20 6 19.4	2 7.9	0.616238	1459	10 16.0
21.0	4 6 58.28	0 54.64	20 4 11.5	2 2.4	0.617697	1570	10 7.2
23.0	4 6 3.64	0 52.27	20 2 9.1	1 56.5	0.619267	1677	9 58.4
25.0	4 5 11.37	0 49.78	20 0 12.6	1 50.1	0.620944	1781	9 49.7
27.0	4 4 21.59	0 47.15	19 58 22.5	1 43.2	0.622725	1879	9 41.0
29.0	4 3 34.44	0 44.40	19 56 39.3	1 35.9	0.624604	1975	9 32.4
31.0	4 2 50.04	0 21.15	+19 55 3.4	0 45.1	0.626579	1021	9 23.8
32.0	4 2 28.89		19 54 18.3		0.627600		9 19.5

Saturn 1917

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
Jan. 1.0	8h 2m 25.24s	38.40s	+20° 38′ 59.3″	2′ 5.2″	0.909517	507	13h 17.8m
3.0	8 1 46.84	39.09	20 41 4.5	2 6.5	0.909010	442	13 9.3
5.0	8 1 7.75	39.69	20 43 11.0	2 7.5	0.908568	377	13 0.8
7.0	8 0 28.06	40.19	20 45 18.5	2 8.3	0.908191	309	12 52.3
9.0	7 59 47.87	40.61	20 47 26.8	2 8.7	0.907882	243	12 43.7
11.0	7 59 7.26	40.95	20 49 35.5	2 9.0	0.907639	175	12 35.2
13.0	7 58 26.31	41.19	+20 51 44.5	2 8.9	0.907464	107	12 26.7
15.0	7 57 45.12	41.32	20 53 53.4	2 8.5	0.907357	39	12 18.1
17.0	7 57 3.80	41.37	20 56 1.9	2 7.8	0.907318	30	12 9.5
19.0	7 56 22.43	41.32	20 58 9.7	2 7.0	0.907348	99	12 1.0
21.0	7 55 41.11	41.17	21 0 16.7	2 5.7	0.907447	167	11 52.5
23.0	7 54 59.94	40.92	21 2 22.4	2 4.3	0.907614	236	11 43.9
25.0	7 54 19.02	40.56	+21 4 26.7	2 2.5	0.907850	303	11 35.4
27.0	7 53 38.46	40.10	21 6 29.2	2 0.4	0.908153	370	11 26.8
29.0	7 52 58.36	39.55	21 8 29.6	1 58.1	0.908523	436	11 18.3
31.0	7 52 18.81	38.92	21 10 27.7	1 55.7	0.908959	501	11 9.8
Febr. 2.0	7 51 39.89	38.19	21 12 23.4	1 53.1	0.909460	564	11 1.3
4.0	7 51 1.70	37.39	21 14 16.5	1 50.2	0.910024	627	10 52.8
6.0	7 50 24.31	36.50	+21 16 6.7	1 47.1	0.910651	688	10 44.3
8.0	7 49 47.81	35.54	21 17 53.8	1 44.0	0.911339	748	10 35.8
10.0	7 49 12.27	34.50	21 19 37.8	1 40.7	0.912087	806	10 27.4
12.0	7 48 37.77	33.38	21 21 18.5	1 37.2	0.912893	863	10 19.0
14.0	7 48 4.39	32.19	21 22 55.7	1 33.5	0.913756	918	10 10.6
16.0	7 47 32.20	30.93	21 24 29.2	1 29.8	0.914674	972	10 2.2
18.0	7 47 1.27	29.59	+21 25 59.0	1 25.8	0.915646	1024	9 53.8
20.0	7 46 31.68	28.20	21 27 24.8	1 21.8	0.916670	1073	9 45.4
22.0	7 46 3.48	26.73	21 28 46.6	1 17.7	0.917743	1122	9 37.1
24.0	7 45 36.75	25.21	21 30 4.3	1 13.4	0.918865	1166	9 28.8
26.0	7 45 11.54	23.63	21 31 17.7	1 9.0	0.920031	1210	9 20.5
28.0	7 44 47.91	22.03	21 32 26.7	1 4.5	0.921241	1251	9 12.3
März 2.0	7 44 25.88	20.37	+21 33 31.2	1 0.1	0.922492	1290	9 4.1
4.0	7 44 5.51	18.67	21 34 31.3	0 55.7	0.923782	1326	8 55.9
6.0	7 43 46.84	16.95	21 35 27.0	0 51.1	0.925108	1360	8 47.7
8.0	7 43 29.89	15.20	21 36 18.1	0 46.7	0.926468	1392	8 39.6
10.0	7 43 14.69	13.43	21 37 4.8	0 42.0	0.927860	1423	8 31.4
12.0	7 43 1.26	11.62	21 37 46.8	0 37.5	0.929283	1450	8 23.4
14.0	7 42 49.64	9.81	+21 38 24.3	0 32.8	0.930733	1475	8 15.3
16.0	7 42 39.83	7.96	21 38 57.1	0 28.2	0.932208	1499	8 7.3
18.0	7 42 31.87	6.11	21 39 25.3	0 23.5	0.933707	1521	7 59.3
20.0	7 42 25.76	4.23	21 39 48.8	0 18.8	0.935228	1539	7 51.4
22.0	7 42 21.53	2.34	21 40 7.6	0 14.1	0.936767	1556	7 43.4
24.0	7 42 19.19		21 40 21.7		0.938323		7 35.5

Mittlere Zeit Greenwich	Scheinbare Rektaszension h m s	s	Scheinbare Deklination ° ′ ″	′ ″	log Δ		Zeit der oberen Kulmination h m
März 24.0	7 42 19.19	0.45	+21 40 21.7	0 9.3	0.938323	1571	7 35.5
26.0	7 42 18.74	1.44	21 40 31.0	0 4.6	0.939894	1583	7 27.6
28.0	7 42 20.18	3.32	21 40 35.6	0 0.1	0.941477	1593	7 19.8
30.0	7 42 23.50	5.20	21 40 35.5	0 4.8	0.943070	1600	7 12.0
April 1.0	7 42 28.70	7.07	21 40 30.7	0 9.4	0.944670	1606	7 4.3
3.0	7 42 35.77	8.92	21 40 21.3	0 14.0	0.946276	1611	6 56.5
5.0	7 42 44.69	10.75	+21 40 7.3	0 18.7	0.947887	1612	6 48.8
7.0	7 42 55.44	12.57	21 39 48.6	0 23.2	0.949499	1612	6 41.1
9.0	7 43 8.01	14.37	21 39 25.4	0 27.8	0.951111	1611	6 33.5
11.0	7 43 22.38	16.15	21 38 57.6	0 32.2	0.952722	1608	6 25.8
13.0	7 43 38.53	17.93	21 38 25.4	0 36.7	0.954330	1603	6 18.2
15.0	7 43 56.46	19.69	21 37 48.7	0 41.3	0.955933	1597	6 10.7
17.0	7 44 16.15	21.41	+21 37 7.4	0 45.9	0.957530	1589	6 3.1
19.0	7 44 37.56	23.12	21 36 21.5	0 50.4	0.959119	1579	5 55.6
21.0	7 45 0.68	24.81	21 35 31.1	0 54.8	0.960698	1567	5 48.2
23.0	7 45 25.49	26.47	21 34 36.3	0 59.2	0.962265	1554	5 40.7
25.0	7 45 51.96	28.08	21 33 37.1	1 3.7	0.963819	1539	5 33.3
27.0	7 46 20.04	29.68	21 32 33.4	1 8.1	0.965358	1524	5 25.9
29.0	7 46 49.72	31.22	+21 31 25.3	1 12.3	0.966882	1505	5 18.5
Mai 1.0	7 47 20.94	32.75	21 30 13.0	1 16.6	0.968387	1488	5 11.2
3.0	7 47 53.69	34.22	21 28 56.4	1 20.8	0.969875	1467	5 3.9
5.0	7 48 27.91	35.68	21 27 35.6	1 25.0	0.971342	1447	4 56.6
7.0	7 49 3.59	37.08	21 26 10.6	1 29.2	0.972789	1424	4 49.3
9.0	7 49 40.67	38.47	21 24 41.4	1 33.3	0.974213	1402	4 42.1
11.0	7 50 19.14	39.82	+21 23 8.1	1 37.5	0.975615	1378	4 34.8
13.0	7 50 58.96	41.14	21 21 30.6	1 41.6	0.976993	1353	4 27.6
15.0	7 51 40.10	42.43	21 19 49.0	1 45.6	0.978346	1327	4 20.4
17.0	7 52 22.53	43.68	21 18 3.4	1 49.7	0.979673	1300	4 13.3
19.0	7 53 6.21	44.90	21 16 13.7	1 53.7	0.980973	1272	4 6.1
21.0	7 53 51.11	46.08	21 14 20.0	1 57.7	0.982245	1243	3 59.0
23.0	7 54 37.19	47.22	+21 12 22.3	2 1.6	0.983488	1213	3 52.0
25.0	7 55 24.41	48.31	21 10 20.7	2 5.4	0.984701	1182	3 44.9
27.0	7 56 12.72	49.37	21 8 15.3	2 9.2	0.985883	1151	3 37.8
29.0	7 57 2.09	50.39	21 6 6.1	2 13.0	0.987034	1119	3 30.8
31.0	7 57 52.48	51.36	21 3 53.1	2 16.5	0.988153	1087	3 23.7
Juni 2.0	7 58 43.84	52.30	21 1 36.6	2 20.2	0.989240	1053	3 16.7
4.0	7 59 36.14	53.20	+20 59 16.4	2 23.7	0.990293	1019	3 9.7
6.0	8 0 29.34	54.07	20 56 52.7	2 27.2	0.991312	986	3 2.7
8.0	8 1 23.41	54.91	20 54 25.5	2 30.8	0.992298	951	2 55.8
10.0	8 2 18.32	55.71	20 51 54.7	2 34.2	0.993249	916	2 48.8
12.0	8 3 14.03	56.47	20 49 20.5	2 37.6	0.994165	880	2 41.9
14.0	8 4 10.50		20 46 42.9		0.995045		2 35.0

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	m s	° ′ ″	′ ″			h m
Juni 14.0	8 4 10.50	0 57.21	+20 46 42.9	2 40.9	0.995045	844	2 35.0
16.0	8 5 7.71	0 57.91	20 44 2.0	2 44.2	0.995889	806	2 28.0
18.0	8 6 5.62	0 58.56	20 41 17.8	2 47.4	0.996695	770	2 21.1
20.0	8 7 4.18	0 59.19	20 38 30.4	2 50.5	0.997465	731	2 14.3
22.0	8 8 3.37	0 59.76	20 35 39.9	2 53.5	0.998196	694	2 7.4
24.0	8 9 3.13	1 0.30	20 32 46.4	2 56.4	0.998890	655	2 0.5
26.0	8 10 3.43	1 0.80	+20 29 50.0	2 59.3	0.999545	616	1 53.6
28.0	8 11 4.23	1 1.25	20 26 50.7	3 1.9	1.000161	577	1 46.8
30.0	8 12 5.48	1 1.69	20 23 48.8	3 4.7	1.000738	538	1 39.9
Juli 2.0	8 13 7.17	1 2.07	20 20 44.1	3 7.2	1.001276	499	1 33.1
4.0	8 14 9.24	1 2.44	20 17 36.9	3 9.7	1.001775	460	1 26.3
6.0	8 15 11.68	1 2.75	20 14 27.2	3 12.1	1.002235	419	1 19.4
8.0	8 16 14.43	1 3.06	+20 11 15.1	3 14.5	1.002654	380	1 12.6
10.0	8 17 17.49	1 3.31	20 8 0.6	3 16.8	1.003034	340	1 5.8
12.0	8 18 20.80	1 3.55	20 4 43.8	3 18.9	1.003374	299	0 59.0
14.0	8 19 24.35	1 3.75	20 1 24.9	3 21.0	1.003673	259	0 52.2
16.0	8 20 28.10	1 3.91	19 58 3.9	3 22.9	1.003932	218	0 45.4
18.0	8 21 32.01	1 4.02	19 54 41.0	3 24.7	1.004150	176	0 38.6
20.0	8 22 36.03	1 4.10	+19 51 16.3	3 26.4	1.004326	135	0 31.8
22.0	8 23 40.13	1 4.15	19 47 49.9	3 27.9	1.004461	94	0 24.9
24.0	8 24 44.28	1 4.15	19 44 22.0	3 29.4	1.004555	53	0 18.2
26.0	8 25 48.43	1 4.12	19 40 52.6	3 30.6	1.004608	12	0 11.4
28.0	8 26 52.55	1 4.06	19 37 22.0	3 31.9	1.004620	29	[29] 0 4.5
30.0	8 27 56.61	1 3.97	19 33 50.1	3 32.9	1.004591	70	23 54.3
Aug. 1.0	8 29 0.58	1 3.83	+19 30 17.2	3 33.9	1.004521	111	23 47.5
3.0	8 30 4.41	1 3.68	19 26 43.3	3 34.6	1.004410	152	23 40.7
5.0	8 31 8.09	1 3.50	19 23 8.7	3 35.3	1.004258	192	23 33.9
7.0	8 32 11.59	1 3.27	19 19 33.4	3 35.9	1.004066	234	23 27.1
9.0	8 33 14.86	1 3.03	19 15 57.5	3 36.3	1.003832	274	23 20.3
11.0	8 34 17.89	1 2.73	19 12 21.2	3 36.6	1.003558	315	23 13.5
13.0	8 35 20.62	1 2.41	+19 8 44.6	3 36.7	1.003243	356	23 6.6
15.0	8 36 23.03	1 2.04	19 5 7.9	3 36.6	1.002887	397	22 59.8
17.0	8 37 25.07	1 1.65	19 1 31.3	3 36.3	1.002490	438	22 53.0
19.0	8 38 26.72	1 1.21	18 57 55.0	3 35.9	1.002052	478	22 46.1
21.0	8 39 27.93	1 0.74	18 54 19.1	3 35.3	1.001574	518	22 39.3
23.0	8 40 28.67	1 0.24	18 50 43.8	3 34.6	1.001056	558	22 32.4
25.0	8 41 28.91	0 59.68	+18 47 9.2	3 33.6	1.000498	597	22 25.5
27.0	8 42 28.59	0 59.11	18 43 35.6	3 32.6	0.999901	636	22 18.6
29.0	8 43 27.70	0 58.51	18 40 3.0	3 31.3	0.999265	675	22 11.8
31.0	8 44 26.21	0 57.86	18 36 31.7	3 29.9	0.998590	713	22 4.9
Sept. 2.0	8 45 24.07	0 57.20	18 33 1.8	3 28.3	0.997877	751	21 58.0
4.0	8 46 21.27		18 29 33.5		0.997126		21 51.0

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	s	° ′ ″	′ ″			h m
Sept. 4.0	8 46 21.27	56.50	+18 29 33.5	3 26.6	0.997126	789	21 51.0
6.0	8 47 17.77	55.76	18 26 6.9	3 24.7	0.996337	827	21 44.1
8.0	8 48 13.53	54.99	18 22 42.2	3 22.6	0.995510	864	21 37.2
10.0	8 49 8.52	54.19	18 19 19.6	3 20.3	0.994646	900	21 30.2
12.0	8 50 2.71	53.34	18 15 59.3	3 17.6	0.993746	937	21 23.2
14.0	8 50 56.05	52.45	18 12 41.7	3 14.9	0.992809	973	21 16.3
16.0	8 51 48.50	51.53	+18 9 26.8	3 12.0	0.991836	1008	21 9.3
18.0	8 52 40.03	50.58	18 6 14.8	3 8.9	0.990828	1042	21 2.2
20.0	8 53 30.61	49.58	18 3 5.9	3 5.4	0.989786	1077	20 55.2
22.0	8 54 20.19	48.54	18 0 0.5	3 1.9	0.988709	1109	20 48.2
24.0	8 55 8.73	47.49	17 56 58.6	2 58.2	0.987600	1142	20 41.1
26.0	8 55 56.22	46.40	17 54 0.4	2 54.4	0.986458	1173	20 34.0
28.0	8 56 42.62	45.27	+17 51 6.0	2 50.1	0.985285	1203	20 26.9
30.0	8 57 27.89	44.12	17 48 15.9	2 46.0	0.984082	1234	20 19.8
Okt. 2.0	8 58 12.01	42.93	17 45 29.9	2 41.4	0.982848	1263	20 12.7
4.0	8 58 54.94	41.72	17 42 48.5	2 36.8	0.981585	1291	20 5.5
6.0	8 59 36.66	40.47	17 40 11.7	2 32.0	0.980294	1319	19 58.3
8.0	9 0 17.13	39.18	17 37 39.7	2 26.9	0.978975	1346	19 51.1
10.0	9 0 56.31	37.84	+17 35 12.8	2 21.6	0.977629	1371	19 43.9
12.0	9 1 34.15	36.49	17 32 51.2	2 16.2	0.976258	1396	19 36.6
14.0	9 2 10.64	35.08	17 30 35.0	2 10.5	0.974862	1419	19 29.4
16.0	9 2 45.72	33.66	17 28 24.5	2 4.5	0.973443	1441	19 22.1
18.0	9 3 19.38	32.20	17 26 20.0	1 58.4	0.972002	1462	19 14.8
20.0	9 3 51.58	30.70	17 24 21.6	1 52.2	0.970540	1481	19 7.4
22.0	9 4 22.28	29.19	+17 22 29.4	1 45.9	0.969059	1500	19 0.0
24.0	9 4 51.47	27.65	17 20 43.5	1 39.3	0.967559	1515	18 52.7
26.0	9 5 19.12	26.08	17 19 4.2	1 32.7	0.966044	1531	18 45.3
28.0	9 5 45.20	24.50	17 17 31.5	1 25.9	0.964513	1544	18 37.8
30.0	9 6 9.70	22.87	17 16 5.6	1 18.9	0.962969	1557	18 30.4
Nov. 1.0	9 6 32.57	21.25	17 14 46.7	1 11.9	0.961412	1567	18 22.9
3.0	9 6 53.82	19.58	+17 13 34.8	1 4.6	0.959845	1576	18 15.3
5.0	9 7 13.40	17.89	17 12 30.2	0 57.3	0.958269	1584	18 7.8
7.0	9 7 31.29	16.18	17 11 32.9	0 49.7	0.956685	1590	18 0.2
9.0	9 7 47.47	14.44	17 10 43.2	0 42.1	0.955095	1594	17 52.6
11.0	9 8 1.91	12.70	17 10 1.1	0 34.4	0.953501	1596	17 45.0
13.0	9 8 14.61	10.92	17 9 26.7	0 26.5	0.951905	1596	17 37.3
15.0	9 8 25.53	9.15	+17 9 0.2	0 18.8	0.950309	1594	17 29.6
17.0	9 8 34.68	7.34	17 8 41.4	0 10.8	0.948715	1589	17 21.9
19.0	9 8 42.02	5.55	17 8 30.6	0 2.9	0.947126	1583	17 14.1
21.0	9 8 47.57	3.75	17 8 27.7	0 5.1	0.945543	1575	17 6.3
23.0	9 8 51.32	1.95	17 8 32.8	0 13.0	0.943968	1564	16 58.5
25.0	9 8 53.27		17 8 45.8		0.942404		16 50.7

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	s	° ′ ″	′ ″			h m
Nov. 25.0	9 8 53.27	0.15	+17 8 45.8	0 20.9	0.942404	1551	16 50.7
27.0	9 8 53.42	1.65	17 9 6.7	0 28.7	0.940853	1537	16 42.8
29.0	9 8 51.77	3.44	17 9 35.4	0 36.6	0.939316	1520	16 34.9
Dez. 1.0	9 8 48.33	5.23	17 10 12.0	0 44.5	0.937796	1502	16 27.0
3.0	9 8 43.10	7.02	17 10 56.5	0 52.2	0.936294	1480	16 19.0
5.0	9 8 36.08	8.79	17 11 48.7	0 59.9	0.934814	1457	16 11.0
7.0	9 8 27.29	10.56	+17 12 48.6	1 7.6	0.933357	1431	16 3.0
9.0	9 8 16.73	12.30	17 13 56.2	1 15.1	0.931926	1402	15 55.0
11.0	9 8 4.43	14.03	17 15 11.3	1 22.5	0.930524	1373	15 46.9
13.0	9 7 50.40	15.73	17 16 33.8	1 29.7	0.929151	1339	15 38.8
15.0	9 7 34.67	17.40	17 18 3.5	1 36.7	0.927812	1303	15 30.7
17.0	9 7 17.27	19.02	17 19 40.2	1 43.4	0.926509	1266	15 22.5
19.0	9 6 58.25	20.61	+17 21 23.6	1 50.1	0.925243	1226	15 14.3
21.0	9 6 37.64	22.15	17 23 13.7	1 56.3	0.924017	1184	15 6.1
23.0	9 6 15.49	23.65	17 25 10.0	2 2.4	0.922833	1140	14 57.9
25.0	9 5 51.84	25.08	17 27 12.4	2 8.1	0.921693	1094	14 49.6
27.0	9 5 26.76	26.49	17 29 20.5	2 13.6	0.920599	1046	14 41.3
29.0	9 5 0.27	27.83	17 31 34.1	2 18.9	0.919553	996	14 33.0
31.0	9 4 32.44	14.41	+17 33 53.0	1 11.4	0.918557	478	14 24.7
32.0	9 4 18.03		17 35 4.4		0.918079		14 20.5

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	s	° ′ ″	′ ″			h m
Jan. 1.0	21 20 58.03	23.50	−16 13 3.2	1 50.9	1.316768	430	2 38.3
3.0	21 21 21.53	23.90	16 11 12.3	1 52.9	1.317198	410	2 30.8
5.0	21 21 45.43	24.29	16 9 19.4	1 54.8	1.317608	389	2 23.3
7.0	21 22 9.72	24.66	16 7 24.6	1 56.5	1.317997	368	2 15.9
9.0	21 22 34.38	25.00	16 5 28.1	1 58.2	1.318365	348	2 8.4
11.0	21 22 59.38	25.32	16 3 29.9	1 59.8	1.318713	326	2 1.0
13.0	21 23 24.70	25.63	−16 1 30.1	2 1.4	1.319039	305	1 53.5
15.0	21 23 50.33	25.91	15 59 28.7	2 2.7	1.319344	283	1 46.1
17.0	21 24 16.24	26.17	15 57 26.0	2 4.1	1.319627	260	1 38.6
19.0	21 24 42.41	26.41	15 55 21.9	2 5.3	1.319887	238	1 31.2
21.0	21 25 8.82	26.62	15 53 16.6	2 6.4	1.320125	215	1 23.8
23.0	21 25 35.44	26.80	15 51 10.2	2 7.4	1.320340	192	1 16.4
25.0	21 26 2.24	26.97	−15 49 2.8	2 8.3	1.320532	169	1 9.0
27.0	21 26 29.21	27.10	15 46 54.5	2 9.0	1.320701	145	1 1.6
29.0	21 26 56.31	27.22	15 44 45.5	2 9.6	1.320846	122	0 54.1
31.0	21 27 23.53	27.30	15 42 35.9	2 10.1	1.320968	99	0 46.7
Febr. 2.0	21 27 50.83	27.37	15 40 25.8	2 10.6	1.321067	76	0 39.3
4.0	21 28 18.20	27.41	15 38 15.2	2 10.9	1.321143	52	0 31.9
6.0	21 28 45.61	27.44	−15 36 4.3	2 11.1	1.321195	28	0 24.4
8.0	21 29 13.05	27.43	15 33 53.2	2 11.2	1.321223	6	0 17.0
10.0	21 29 40.48	27.41	15 31 42.0	2 11.3	1.321229	$\overline{18}$	0 9.5
12.0	21 30 7.89	27.37	15 29 30.7	2 11.2	1.321211	42	{0 2.1 23 58.4
14.0	21 30 35.26	27.30	15 27 19.5	2 10.9	1.321169	65	23 51.1
16.0	21 31 2.56	27.21	15 25 8.6	2 10.6	1.321104	88	23 43.7
18.0	21 31 29.77	27.10	−15 22 58.0	2 10.1	1.321016	111	23 36.3
20.0	21 31 56.87	26.97	15 20 47.9	2 9.6	1.320905	134	23 28.9
22.0	21 32 23.84	26.80	15 18 38.3	2 9.0	1.320771	158	23 21.5
24.0	21 32 50.64	26.61	15 16 29.3	2 8.1	1.320613	180	23 14.1
26.0	21 33 17.25	26.41	15 14 21.2	2 7.1	1.320433	203	23 6.6
28.0	21 33 43.66	26.17	15 12 14.1	2 6.2	1.320230	224	22 59.2
März 2.0	21 34 9.83	25.92	−15 10 7.9	2 5.0	1.320006	247	22 51.8
4.0	21 34 35.75	25.65	15 8 2.9	2 3.8	1.319759	269	22 44.4
6.0	21 35 1.40	25.37	15 5 59.1	2 2.4	1.319490	290	22 36.9
8.0	21 35 26.77	25.05	15 3 56.7	2 1.0	1.319200	311	22 29.5
10.0	21 35 51.82	24.73	15 1 55.7	1 59.4	1.318889	332	22 22.0
12.0	21 36 16.55	24.38	14 59 56.3	1 57.8	1.318557	352	22 14.6
14.0	21 36 40.93	24.01	−14 57 58.5	1 56.1	1.318205	373	22 7.1
16.0	21 37 4.94	23.62	14 56 2.4	1 54.2	1.317832	392	21 59.6
18.0	21 37 28.56	23.21	14 54 8.2	1 52.2	1.317440	412	21 52.1
20.0	21 37 51.77	22.79	14 52 16.0	1 50.2	1.317028	432	21 44.7
22.0	21 38 14.56	22.34	14 50 25.8	1 48.0	1.316596	450	21 37.2
24.0	21 38 36.90		14 48 37.8		1.316146		21 29.7

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	s	° ′ ″	′ ″			h m
März 24.0	21 38 36.90	21.87	−14 48 37.8	1 45.6	1.316146	468	21 29.7
26.0	21 38 58.77	21.38	14 46 52.2	1 43.3	1.315678	486	21 22.2
28.0	21 39 20.15	20.87	14 45 8.9	1 40.8	1.315192	503	21 14.7
30.0	21 39 41.02	20.36	14 43 28.1	1 38.3	1.314689	520	21 7.2
April 1.0	21 40 1.38	19.83	14 41 49.8	1 35.6	1.314169	535	20 59.6
3.0	21 40 21.21	19.27	14 40 14.2	1 32.8	1.313634	551	20 52.1
5.0	21 40 40.48	18.70	−14 38 41.4	1 30.1	1.313083	566	20 44.5
7.0	21 40 59.18	18.13	14 37 11.3	1 27.2	1.312517	581	20 37.0
9.0	21 41 17.31	17.54	14 35 44.1	1 24.2	1.311936	595	20 29.4
11.0	21 41 34.85	16.94	14 34 19.9	1 21.2	1.311341	608	20 21.9
13.0	21 41 51.79	16.31	14 32 58.7	1 18.0	1.310733	621	20 14.3
15.0	21 42 8.10	15.68	14 31 40.7	1 14.9	1.310112	633	20 6.7
17.0	21 42 23.78	15.03	−14 30 25.8	1 11.6	1.309479	645	19 59.1
19.0	21 42 38.81	14.37	14 29 14.2	1 8.2	1.308834	655	19 51.5
21.0	21 42 53.18	13.69	14 28 6.0	1 4.7	1.308179	666	19 43.8
23.0	21 43 6.87	13.01	14 27 1.3	1 1.3	1.307513	675	19 36.2
25.0	21 43 19.88	12.31	14 26 0.0	0 57.7	1.306838	684	19 28.5
27.0	21 43 32.19	11.60	14 25 2.3	0 54.2	1.306154	692	19 20.9
29.0	21 43 43.79	10.89	−14 24 8.1	0 50.6	1.305462	699	19 13.2
Mai 1.0	21 43 54.68	10.17	14 23 17.5	0 46.8	1.304763	705	19 5.5
3.0	21 44 4.85	9.44	14 22 30.7	0 43.2	1.304058	711	18 57.8
5.0	21 44 14.29	8.71	14 21 47.5	0 39.4	1.303347	716	18 50.1
7.0	21 44 23.00	7.98	14 21 8.1	0 35.7	1.302631	720	18 42.3
9.0	21 44 30.98	7.23	14 20 32.4	0 31.9	1.301911	724	18 34.6
11.0	21 44 38.21	6.48	−14 20 0.5	0 28.0	1.301187	726	18 26.9
13.0	21 44 44.69	5.73	14 19 32.5	0 24.2	1.300461	728	18 19.1
15.0	21 44 50.42	4.97	14 19 8.3	0 20.3	1.299733	730	18 11.3
17.0	21 44 55.39	4.20	14 18 48.0	0 16.4	1.299003	730	18 3.5
19.0	21 44 59.59	3.43	14 18 31.6	0 12.5	1.298273	729	17 55.7
21.0	21 45 3.02	2.66	14 18 19.1	0 8.6	1.297544	728	17 47.9
23.0	21 45 5.68	1.89	−14 18 10.5	0 4.6	1.296816	726	17 40.1
25.0	21 45 7.57	1.13	14 18 5.9	0 0.7	1.296090	722	17 32.3
27.0	21 45 8.70	0.36	14 18 5.2	0 3.1	1.295368	718	17 24.4
29.0	21 45 9.06	0.39	14 18 8.3	0 7.0	1.294650	713	17 16.6
31.0	21 45 8.67	1.15	14 18 15.3	0 10.8	1.293937	708	17 8.7
Juni 2.0	21 45 7.52	1.90	14 18 26.1	0 14.6	1.293229	701	17 0.8
4.0	21 45 5.62	2.65	−14 18 40.7	0 18.3	1.292528	694	16 52.9
6.0	21 45 2.97	3.38	14 18 59.0	0 22.1	1.291834	685	16 45.0
8.0	21 44 59.59	4.12	14 19 21.1	0 25.7	1.291149	676	16 37.0
10.0	21 44 55.47	4.84	14 19 46.8	0 29.4	1.290473	667	16 29.1
12.0	21 44 50.63	5.56	14 20 16.2	0 33.0	1.289806	656	16 21.1
14.0	21 44 45.07		14 20 49.2		1.289150		16 13.2

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	s	° ′ ″	′ ″			h m
Juni 14.0	21 44 45.07	6.28	−14 20 49.2	0 36.6	1.289150	645	16 13.2
16.0	21 44 38.79	6.98	14 21 25.8	0 40.0	1.288505	633	16 5.2
18.0	21 44 31.81	7.68	14 22 5.8	0 43.5	1.287872	619	15 57.2
20.0	21 44 24.13	8.35	14 22 49.3	0 46.9	1.287253	605	15 49.2
22.0	21 44 15.78	9.01	14 23 36.2	0 50.1	1.286648	590	15 41.2
24.0	21 44 6.77	9.67	14 24 26.3	0 53.3	1.286058	575	15 33.2
26.0	21 43 57.10	10.29	−14 25 19.6	0 56.3	1.285483	558	15 25.2
28.0	21 43 46.81	10.90	14 26 15.9	0 59.3	1.284925	541	15 17.2
30.0	21 43 35.91	11.50	14 27 15.2	1 2.1	1.284384	523	15 9.2
Juli 2.0	21 43 24.41	12.07	14 28 17.3	1 4.9	1.283861	505	15 1.1
4.0	21 43 12.34	12.64	14 29 22.2	1 7.6	1.283356	485	14 53.0
6.0	21 42 59.70	13.18	14 30 29.8	1 10.1	1.282871	466	14 44.9
8.0	21 42 46.52	13.70	−14 31 39.9	1 12.6	1.282405	445	14 36.8
10.0	21 42 32.82	14.20	14 32 52.5	1 14.9	1.281960	424	14 28.7
12.0	21 42 18.62	14.68	14 34 7.4	1 17.2	1.281536	403	14 20.6
14.0	21 42 3.94	15.14	14 35 24.6	1 19.3	1.281133	380	14 12.5
16.0	21 41 48.80	15.58	14 36 43.9	1 21.2	1.280753	358	14 4.4
18.0	21 41 33.22	15.98	14 38 5.1	1 23.1	1.280395	334	13 56.3
20.0	21 41 17.24	16.37	−14 39 28.2	1 24.7	1.280061	310	13 48.2
22.0	21 41 0.87	16.72	14 40 52.9	1 26.3	1.279751	285	13 40.0
24.0	21 40 44.15	17.05	14 42 19.2	1 27.6	1.279466	261	13 31.9
26.0	21 40 27.10	17.34	14 43 46.8	1 28.9	1.279205	235	13 23.7
28.0	21 40 9.76	17.61	14 45 15.7	1 30.0	1.278970	210	13 15.6
30.0	21 39 52.15	17.85	14 46 45.7	1 30.9	1.278760	184	13 7.4
Aug. 1.0	21 39 34.30	18.07	−14 48 16.6	1 31.6	1.278576	158	12 59.3
3.0	21 39 16.23	18.25	14 49 48.2	1 32.3	1.278418	132	12 51.1
5.0	21 38 57.98	18.40	14 51 20.5	1 32.9	1.278286	105	12 43.0
7.0	21 38 39.58	18.54	14 52 53.4	1 33.2	1.278181	78	12 34.8
9.0	21 38 21.04	18.64	14 54 26.6	1 33.4	1.278103	51	12 26.6
11.0	21 38 2.40	18.71	14 56 0.0	1 33.4	1.278052	24	12 18.4
13.0	21 37 43.69	18.74	−14 57 33.4	1 33.4	1.278028	— 3	12 10.3
15.0	21 37 24.95	18.75	14 59 6.8	1 33.1	1.278031	30	12 2.1
17.0	21 37 6.20	18.73	15 0 39.9	1 32.7	1.278061	58	11 53.9
19.0	21 36 47.47	18.67	15 2 12.6	1 32.1	1.278119	85	11 45.7
21.0	21 36 28.80	18.57	15 3 44.7	1 31.3	1.278204	112	11 37.6
23.0	21 36 10.23	18.45	15 5 16.0	1 30.4	1.278316	139	11 29.4
25.0	21 35 51.78	18.30	−15 6 46.4	1 29.4	1.278455	165	11 21.2
27.0	21 35 33.48	18.11	15 8 15.8	1 28.2	1.278620	192	11 13.0
29.0	21 35 15.37	17.89	15 9 44.0	1 26.8	1.278812	219	11 4.8
31.0	21 34 57.48	17.65	15 11 10.8	1 25.3	1.279031	245	10 56.7
Sept. 2.0	21 34 39.83	17.38	15 12 36.1	1 23.8	1.279276	270	10 48.5
4.0	21 34 22.45		15 13 59.9		1.279546		10 40.4

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	s	° ′ ″	′ ″			h m
Sept. 4.0	21 34 22.45	17.08	−15 13 59.9	1 22.1	1.279546	295	10 40.4
6.0	21 34 5.37	16.76	15 15 22.0	1 20.3	1.279841	320	10 32.2
8.0	21 33 48.61	16.41	15 16 42.3	1 18.3	1.280161	344	10 24.1
10.0	21 33 32.20	16.02	15 18 0.6	1 16.1	1.280505	369	10 16.0
12.0	21 33 16.18	15.61	15 19 16.7	1 13.8	1.280874	392	10 7.9
14.0	21 33 0.57	15.16	15 20 30.5	1 11.5	1.281266	416	9 59.8
16.0	21 32 45.41	14.70	−15 21 42.0	1 9.0	1.281682	439	9 51.7
18.0	21 32 30.71	14.20	15 22 51.0	1 6.4	1.282121	460	9 43.6
20.0	21 32 16.51	13.67	15 23 57.4	1 3.6	1.282581	481	9 35.5
22.0	21 32 2.84	13.14	15 25 1.0	1 0.8	1.283062	502	9 27.4
24.0	21 31 49.70	12.57	15 26 1.8	0 57.9	1.283564	522	9 19.3
26.0	21 31 37.13	11.99	15 26 59.7	0 54.9	1.284086	541	9 11.2
28.0	21 31 25.14	11.38	−15 27 54.6	0 51.8	1.284627	560	9 3.1
30.0	21 31 13.76	10.76	15 28 46.4	0 48.6	1.285187	577	8 55.0
Okt. 2.0	21 31 3.00	10.11	15 29 35.0	0 45.4	1.285764	594	8 47.0
4.0	21 30 52.89	9.46	15 30 20.4	0 42.1	1.286358	610	8 39.0
6.0	21 30 43.43	8.78	15 31 2.5	0 38.7	1.286968	625	8 31.0
8.0	21 30 34.65	8.09	15 31 41.2	0 35.2	1.287593	640	8 23.0
10.0	21 30 26.56	7.37	−15 32 16.4	0 31.7	1.288233	654	8 15.0
12.0	21 30 19.19	6.65	15 32 48.1	0 28.2	1.288887	667	8 7.0
14.0	21 30 12.54	5.91	15 33 16.3	0 24.5	1.289554	679	7 59.0
16.0	21 30 6.63	5.15	15 33 40.8	0 20.7	1.290233	691	7 51.0
18.0	21 30 1.48	4.39	15 34 1.5	0 17.0	1.290924	700	7 43.1
20.0	21 29 57.09	3.62	15 34 18.5	0 13.2	1.291624	710	7 35.2
22.0	21 29 53.47	2.83	−15 34 31.7	0 9.4	1.292334	718	7 27.3
24.0	21 29 50.64	2.05	15 34 41.1	0 5.5	1.293052	725	7 19.4
26.0	21 29 48.59	1.26	15 34 46.6	0 1.8	1.293777	732	7 11.5
28.0	21 29 47.33	0.47	15 34 48.4	0 2.1	1.294509	737	7 3.6
30.0	21 29 46.86	0.33	15 34 46.3	0 5.9	1.295246	742	6 55.7
Nov. 1.0	21 29 47.19	1.14	15 34 40.4	0 9.8	1.295988	746	6 47.8
3.0	21 29 48.33	1.94	−15 34 30.6	0 13.7	1.296734	749	6 40.0
5.0	21 29 50.27	2.74	15 34 16.9	0 17.5	1.297483	751	6 32.2
7.0	21 29 53.01	3.55	15 33 59.4	0 21.5	1.298234	752	6 24.4
9.0	21 29 56.56	4.35	15 33 37.9	0 25.3	1.298986	753	6 16.6
11.0	21 30 0.91	5.16	15 33 12.6	0 29.2	1.299739	752	6 8.8
13.0	21 30 6.07	5.97	15 32 43.4	0 33.1	1.300491	750	6 1.0
15.0	21 30 12.04	6.77	−15 32 10.3	0 36.9	1.301241	748	5 53.2
17.0	21 30 18.81	7.57	15 31 33.4	0 40.8	1.301989	744	5 45.4
19.0	21 30 26.38	8.35	15 30 52.6	0 44.5	1.302733	740	5 37.7
21.0	21 30 34.73	9.13	15 30 8.1	0 48.3	1.303473	735	5 30.0
23.0	21 30 43.86	9.89	15 29 19.8	0 51.9	1.304208	729	5 22.3
25.0	21 30 53.75		15 28 27.9		1.304937		5 14.6

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	s	° ′ ″	′ ″			h m
Nov. 25.0	21 30 53.75	10.65	−15 28 27.9	0 55.5	1.304937	723	5 14.6
27.0	21 31 4.40	11.40	15 27 32.4	0 59.2	1.305660	714	5 6.9
29.0	21 31 15.80	12.13	15 26 33.2	1 2.7	1.306374	706	4 59.2
Dez. 1.0	21 31 27.93	12.86	15 25 30.5	1 6.2	1.307080	698	4 51.6
3.0	21 31 40.79	13.58	15 24 24.3	1 9.7	1.307778	688	4 43.9
5.0	21 31 54.37	14.28	15 23 14.6	1 13.1	1.308466	677	4 36.3
7.0	21 32 8.65	14.98	−15 22 1.5	1 16.4	1.309143	665	4 28.7
9.0	21 32 23.63	15.66	15 20 45.1	1 19.7	1.309808	654	4 21.1
11.0	21 32 39.29	16.32	15 19 25.4	1 23.0	1.310462	641	4 13.5
13.0	21 32 55.61	16.97	15 18 2.4	1 26.2	1.311103	628	4 5.9
15.0	21 33 12.58	17.61	15 16 36.2	1 29.2	1.311731	613	3 58.3
17.0	21 33 30.19	18.22	15 15 7.0	1 32.2	1.312344	599	3 50.7
19.0	21 33 48.41	18.81	−15 13 34.8	1 35.2	1.312943	583	3 43.1
21.0	21 34 7.22	19.39	15 11 59.6	1 38.0	1.313526	567	3 35.6
23.0	21 34 26.61	19.94	15 10 21.6	1 40.7	1.314093	551	3 28.0
25.0	21 34 46.55	20.49	15 8 40.9	1 43.4	1.314644	534	3 20.5
27.0	21 35 7.04	21.00	15 6 57.5	1 46.0	1.315178	516	3 13.0
29.0	21 35 28.04	21.50	15 5 11.5	1 48.4	1.315694	498	3 5.5
31.0	21 35 49.54	21.98	−15 3 23.1	1 50.8	1.316192	480	2 58.0
33.0	21 36 11.52		15 1 32.3		1.316672		2 50.5

Neptun 1917

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	s	° ′ ″	′ ″			h m
Jan. − 1.0	8 25 44.79	24.90	+18 59 30.8	1 27.8	1.464398	412	13 49.0
+ 3.0	8 25 19.89	25.81	19 0 58.6	1 30.8	1.463986	343	13 32.9
7.0	8 24 54.08	26.57	19 2 29.4	1 33.3	1.463643	273	13 16.7
11.0	8 24 27.51	27.15	19 4 2.7	1 35.1	1.463370	200	13 0.6
15.0	8 24 0.36	27.58	19 5 37.8	1 36.5	1.463170	127	12 44.4
19.0	8 23 32.78	27.80	19 7 14.3	1 37.2	1.463043	52	12 28.2
23.0	8 23 4.98	27.85	+19 8 51.5	1 37.1	1.462991	23	12 12.0
27.0	8 22 37.13	27.69	19 10 28.6	1 36.5	1.463014	98	11 55.8
31.0	8 22 9.44	27.36	19 12 5.1	1 35.2	1.463112	171	11 39.7
Febr. 4.0	8 21 42.08	26.85	19 13 40.3	1 33.4	1.463283	243	11 23.5
8.0	8 21 15.23	26.19	19 15 13.7	1 31.0	1.463526	314	11 7.3
12.0	8 20 49.04	25.34	19 16 44.7	1 28.0	1.463840	383	10 51.1
16.0	8 20 23.70	24.35	+19 18 12.7	1 24.7	1.464223	451	10 35.0
20.0	8 19 59.35	23.18	19 19 37.4	1 20.6	1.464674	514	10 18.9
24.0	8 19 36.17	21.86	19 20 58.0	1 16.2	1.465188	575	10 2.8
28.0	8 19 14.31	20.40	19 22 14.2	1 11.3	1.465763	633	9 46.7
März 4.0	8 18 53.91	18.82	19 23 25.5	1 6.0	1.466396	686	9 30.6
8.0	8 18 35.09	17.13	19 24 31.5	1 0.5	1.467082	736	9 14.6
12.0	8 18 17.96	15.34	+19 25 32.0	0 54.5	1.467818	781	8 58.6
16.0	8 18 2.62	13.46	19 26 26.5	0 48.4	1.468599	823	8 42.6
20.0	8 17 49.16	11.49	19 27 14.9	0 41.8	1.469422	860	8 26.6
24.0	8 17 37.67	9.42	19 27 56.7	0 35.2	1.470282	892	8 10.7
28.0	8 17 28.25	7.32	19 28 31.9	0 28.3	1.471174	920	7 54.9
April 1.0	8 17 20.93	5.18	19 29 0.2	0 21.2	1.472094	942	7 39.0
5.0	8 17 15.75	3.00	+19 29 21.4	0 14.3	1.473036	960	7 23.2
9.0	8 17 12.75	0.82	19 29 35.7	0 7.2	1.473996	973	7 7.4
13.0	8 17 11.93	1.39	19 29 42.9	0 0.1	1.474969	982	6 51.7
17.0	8 17 13.32	3.61	19 29 42.8	0 7.4	1.475951	986	6 36.0
21.0	8 17 16.93	5.82	19 29 35.4	0 14.5	1.476937	986	6 20.3
25.0	8 17 22.75	8.01	19 29 20.9	0 21.7	1.477923	980	6 4.7
29.0	8 17 30.76	10.15	+19 28 59.2	0 28.8	1.478903	970	5 49.1
Mai 3.0	8 17 40.91	12.25	19 28 30.4	0 35.7	1.479873	956	5 33.5
7.0	8 17 53.16	14.30	19 27 54.7	0 42.5	1.480829	938	5 18.0
11.0	8 18 7.46	16.29	19 27 12.2	0 49.2	1.481767	917	5 2.5
15.0	8 18 23.75	18.24	19 26 23.0	0 55.8	1.482684	891	4 47.1
19.0	8 18 41.99	20.12	19 25 27.2	1 2.1	1.483575	862	4 31.6
23.0	8 19 2.11	21.92	+19 24 25.1	1 8.3	1.484437	829	4 16.2
27.0	8 19 24.03	23.63	19 23 16.8	1 14.2	1.485266	792	4 0.9
31.0	8 19 47.66	25.23	19 22 2.6	1 19.8	1.486058	753	3 45.6
Juni 4.0	8 20 12.89	26.75	19 20 42.8	1 25.2	1.486811	711	3 30.2
8.0	8 20 39.64	28.18	19 19 17.6	1 30.3	1.487522	666	3 14.9
12.0	8 21 7.82		19 17 47.3		1.488188		2 59.7

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
	h m s	s	° ′ ″	′ ″			h m
Juni 12.0	8 21 7.82	29.52	+19 17 47.3	1 35.2	1.488188	620	2 59.7
16.0	8 21 37.34	30.74	19 16 12.1	1 39.8	1.488808	570	2 44.5
20.0	8 22 8.08	31.86	19 14 32.3	1 44.0	1.489378	518	2 29.3
24.0	8 22 39.94	32.86	19 12 48.3	1 47.8	1.489896	464	2 14.1
28.0	8 23 12.80	33.75	19 11 0.5	1 51.3	1.490360	409	1 58.9
Juli 2.0	8 23 46.55	34.50	19 9 9.2	1 54.4	1.490769	352	1 43.7
6.0	8 24 21.05	35.15	+19 7 14.8	1 57.2	1.491121	294	1 28.6
10.0	8 24 56.20	35.70	19 5 17.6	1 59.7	1.491415	236	1 13.4
14.0	8 25 31.90	36.12	19 3 17.9	2 1.7	1.491651	176	0 58.3
18.0	8 26 8.02	36.42	19 1 16.2	2 3.4	1.491827	115	0 43.1
22.0	8 26 44.44	36.57	18 59 12.8	2 4.4	1.491942	53	0 28.0
26.0	8 27 21.01	36.61	18 57 8.4	2 5.2	1.491995	8	0 12.9
30.0	8 27 57.62	36.51	+18 55 3.2	2 5.4	1.491987	69	[29] 23 54.0
Aug. 3.0	8 28 34.13	36.32	18 52 57.8	2 5.4	1.491918	130	23 38.9
7.0	8 29 10.45	36.01	18 50 52.4	2 4.8	1.491788	191	23 23.7
11.0	8 29 46.46	35.56	18 48 47.6	2 3.9	1.491597	251	23 8.6
15.0	8 30 22.02	34.99	18 46 43.7	2 2.3	1.491346	311	22 53.4
19.0	8 30 57.01	34.29	18 44 41.4	2 0.5	1.491035	370	22 38.3
23.0	8 31 31.30	33.47	+18 42 40.9	1 58.0	1.490665	427	22 23.1
27.0	8 32 4.77	32.53	18 40 42.9	1 55.1	1.490238	482	22 7.9
31.0	8 32 37.30	31.49	18 38 47.8	1 51.8	1.489756	536	21 52.8
Sept. 4.0	8 33 8.79	30.34	18 36 56.0	1 48.2	1.489220	588	21 37.6
8.0	8 33 39.13	29.09	18 35 7.8	1 44.0	1.488632	638	21 22.3
12.0	8 34 8.22	27.71	18 33 23.8	1 39.3	1.487994	687	21 7.1
16.0	8 34 35.93	26.22	+18 31 44.5	1 34.3	1.487307	731	20 51.8
20.0	8 35 2.15	24.63	18 30 10.2	1 28.8	1.486576	774	20 36.5
24.0	8 35 26.78	22.96	18 28 41.4	1 22.8	1.485802	813	20 21.2
28.0	8 35 49.74	21.20	18 27 18.6	1 16.7	1.484989	848	20 5.9
Okt. 2.0	8 36 10.94	19.37	18 26 1.9	1 10.1	1.484141	881	19 50.5
6.0	8 36 30.31	17.46	18 24 51.8	1 3.3	1.483260	910	19 35.1
10.0	8 36 47.77	15.47	+18 23 48.5	0 56.0	1.482350	935	19 19.6
14.0	8 37 3.24	13.41	18 22 52.5	0 48.5	1.481415	956	19 4.1
18.0	8 37 16.65	11.29	18 22 4.0	0 40.7	1.480459	973	18 48.6
22.0	8 37 27.94	9.14	18 21 23.3	0 32.8	1.479486	984	18 33.1
26.0	8 37 37.08	6.96	18 20 50.5	0 24.7	1.478502	992	18 17.5
30.0	8 37 44.04	4.75	18 20 25.8	0 16.5	1.477510	995	18 1.9
Nov. 3.0	8 37 48.79	2.53	+18 20 9.3	0 8.3	1.476515	994	17 46.2
7.0	8 37 51.32	0.29	18 20 1.0	0 0.1	1.475521	987	17 30.5
11.0	8 37 51.61	1.94	18 20 1.1	0 8.5	1.474534	975	17 14.8
15.0	8 37 49.67	4.17	18 20 9.6	0 16.8	1.473559	959	16 59.0
19.0	8 37 45.50	6.34	18 20 26.4	0 24.9	1.472600	937	16 43.2
23.0	8 37 39.16		18 20 51.3		1.471663		16 27.4

Mittlere Zeit Greenwich	Scheinbare Rektaszension		Scheinbare Deklination		log Δ		Zeit der oberen Kulmination
Nov. 23.0	8h 37m 39s.16		+18° 20′ 51″.3		1.471663		16h 27m.4
		8s.48		0′ 32″.9		909	
27.0	8 37 30.68		18 21 24.2		1.470754		16 11.5
		10.55		0 40.6		879	
Dez. 1.0	8 37 20.13		18 22 4.8		1.469875		15 55.6
		12.56		0 48.0		842	
5.0	8 37 7.57		18 22 52.8		1.469033		15 39.7
		14.51		0 55.3		802	
9.0	8 36 53.06		18 23 48.1		1.468231		15 23.7
		16.35		1 2.1		757	
13.0	8 36 36.71		18 24 50.2		1.467474		15 7.7
		18.11		1 8.6		707	
17.0	8 36 18.60		+18 25 58.8		1.466767		14 51.7
		19.73		1 14.5		652	
21.0	8 35 58.87		18 27 13.3		1.466115		14 35.6
		21.23		1 20.0		595	
25.0	8 35 37.64		18 28 33.3		1.465520		14 19.5
		22.57		1 24.8		534	
29.0	8 35 15.07		18 29 58.1		1.464986		14 3.4
		23.78		1 29.2		470	
33.0	8 34 51.29		18 31 27.3		1.464516		13 47.3

Mittleres Äquinoktium 1925.0

MERKUR 1917

Mittlere Zeit Greenwich	log r	Länge in d. Bahn	Red. a. d. Ekl.	Breite	Mittlere Zeit Greenwich	log r	Länge in d. Bahn	Red. a. d. Ekl.	Breite
		° ′	′	° ′			° ′	′	° ′
Jan. 0.0	9.5384	7 7	+13	−4 32	Juli 4.0	9.4913	58 47	− 5	+1 22
5.0	9.5073	34 14	+ 6	−1 36	9.0	9.4901	90 23	−13	+4 46
10.0	9.4894	64 41	− 7	+2 4	14.0	9.5095	120 38	− 7	+6 42
15.0	9.4923	96 15	−13	+5 16	19.0	9.5411	147 26	+ 4	+6 54
20.0	9.5148	125 57	− 5	+6 52	24.0	9.5755	170 23	+12	+5 52
25.0	9.5476	152 1	+ 6	+6 47	29.0	9.6067	190 5	+12	+4 15
30.0	9.5817	174 18	+12	+5 36	Aug. 3.0	9.6321	207 22	+ 8	+2 24
Febr. 4.0	9.6120	193 30	+12	+3 54	8.0	9.6509	222 58	+ 2	+0 33
9.0	9.6362	210 24	+ 7	+2 3	13.0	9.6631	237 30	− 4	−1 13
14.0	9.6537	225 46	+ 1	+0 12	18.0	9.6686	251 26	−10	−2 50
19.0	9.6646	240 9	− 5	−1 32	23.0	9.6677	265 14	−12	−4 17
24.0	9.6689	254 2	−10	−3 8	28.0	9.6602	279 18	−13	−5 30
März 1.0	9.6667	267 51	−13	−4 32	Sept. 2.0	9.6460	294 6	− 9	−6 26
6.0	9.6580	282 1	−12	−5 42	7.0	9.6252	310 8	− 3	−6 57
11.0	9.6426	297 0	− 8	−6 34	12.0	9.5979	328 3	+ 5	−6 53
16.0	9.6206	313 20	− 2	−6 59	17.0	9.5654	348 38	+11	−5 59
21.0	9.5922	331 41	+ 6	−6 47	22.0	9.5310	12 42	+12	−3 59
26.0	9.5589	352 52	+12	−5 42	27.0	9.5019	40 39	+ 3	−0 50
31.0	9.5249	17 39	+11	−3 28	Okt. 2.0	9.4881	71 35	−10	+2 51
April 5.0	9.4979	46 17	+ 1	−0 9	7.0	9.4958	102 59	−12	+5 46
10.0	9.4879	77 33	−11	+3 30	12.0	9.5215	131 59	− 2	+6 58
15.0	9.4995	108 41	−11	+6 8	17.0	9.5552	157 12	+ 8	+6 35
20.0	9.5275	137 1	0	+7 0	22.0	9.5888	178 44	+13	+5 15
25.0	9.5617	161 30	+10	+6 24	27.0	9.6178	197 21	+11	+3 30
30.0	9.5946	182 25	+13	+4 57	Nov. 1.0	9.6406	213 52	+ 6	+1 38
Mai 5.0	9.6226	200 35	+10	+3 9	6.0	9.6567	228 58	− 1	−0 11
10.0	9.6441	216 48	+ 5	+1 18	11.0	9.6661	243 12	− 7	−1 54
15.0	9.6590	231 41	− 2	−0 31	16.0	9.6690	257 2	−11	−3 27
20.0	9.6672	245 49	− 8	−2 12	21.0	9.6654	270 53	−13	−4 49
25.0	9.6688	259 37	−12	−3 43	26.0	9.6552	285 12	−12	−5 55
30.0	9.6640	273 32	−13	−5 2	Dez. 1.0	9.6384	300 26	− 7	−6 42
Juni 4.0	9.6526	287 58	−11	−6 6	6.0	9.6149	317 8	0	−7 0
9.0	9.6345	303 26	− 6	−6 48	11.0	9.5852	336 3	+ 8	−6 38
14.0	9.6097	320 30	+ 1	−7 0	16.0	9.5513	357 57	+13	−5 19
19.0	9.5791	339 54	+ 9	−6 28	21.0	9.5180	23 36	+ 9	−2 50
24.0	9.5448	2 28	+13	−4 57	26.0	9.4939	52 58	− 2	+0 40
29.0	9.5125	28 51	+ 8	−2 14	31.0	9.4886	84 28	−12	+4 13
Juli 4.0	9.4913	58 47	− 5	+1 22	36.0	9.5046	115 11	− 9	+6 29

$☊ = 47^\circ\ 27'.1\,;\quad i = 7^\circ\ 0'.23\,;\quad m = \frac{1}{6000000}$

Mittleres Äquinoktium 1925.0

Mittlere Zeit Greenwich	log r	Länge in der Bahn	Red. auf d. Eklipt.	Breite	log r	Länge in der Bahn	Red. auf d. Eklipt.	Breite
	VENUS 1917				**MARS 1917**			
		° ′	′	° ′		° ′	′	° ′
Jan. 5.0	9.85925	219 32.1	+2.9	+2 1.1	0.14509	305 32.6	−0.4	−1 48.0
15.0	9.86007	235 32.0	+2.0	+1 11.3	0.14331	311 46.8	−0.2	−1 50.2
25.0	9.86083	251 28.3	+0.5	+0 16.2	0.14194	318 3.7	0.0	−1 51.0
Febr. 4.0	9.86147	267 21.5	−1.1	−0 40.0	0.14099	324 22.6	+0.2	−1 50.6
14.0	9.86195	283 12.2	−2.4	−1 33.0	0.14048	330 42.8	+0.4	−1 48.8
24.0	9.86222	299 1.3	−3.0	−2 18.8	0.14042	337 3.5	+0.5	−1 45.6
März 6.0	9.86228	314 49.7	−2.7	−2 54.1	0.14082	343 23.9	+0.7	−1 41.2
16.0	9.86211	330 38.3	−1.5	−3 16.3	0.14166	349 43.2	+0.8	−1 35.5
26.0	9.86173	346 28.2	0.0	−3 23.6	0.14294	356 0.6	+0.9	−1 28.7
April 5.0	9.86116	2 20.1	+1.6	−3 15.4	0.14462	2 15.5	+0.9	−1 20.9
15.0	9.86045	18 14.8	+2.7	−2 52.3	0.14669	8 27.2	+0.9	−1 12.2
25.0	9.85966	34 12.8	+3.0	−2 15.7	0.14911	14 35.1	+0.8	−1 2.8
Mai 5.0	9.85883	50 14.5	+2.4	−1 28.5	0.15184	20 38.6	+0.7	−0 52.7
15.0	9.85804	66 19.8	+1.0	−0 34.3	0.15484	26 37.3	+0.6	−0 42.3
25.0	9.85736	82 28.4	−0.7	+0 22.8	0.15807	32 30.9	+0.5	−0 31.5
Juni 4.0	9.85682	98 39.7	−2.1	+1 18.3	0.16149	38 19.2	+0.3	−0 20.6
14.0	9.85648	114 53.0	−2.9	+2 7.7	0.16506	44 1.9	+0.2	−0 9.6
24.0	9.85637	131 7.3	−2.8	+2 47.0	0.16873	49 38.9	0.0	+0 1.3
Juli 4.0	9.85649	147 21.6	−1.8	+3 12.9	0.17247	55 10.2	−0.2	+0 11.9
14.0	9.85684	163 34.9	−0.3	+3 23.5	0.17624	60 35.8	−0.4	+0 22.3
24.0	9.85738	179 46.1	+1.4	+3 17.8	0.18000	65 55.8	−0.5	+0 32.3
Aug. 3.0	9.85807	195 54.5	+2.6	+2 56.5	0.18372	71 10.4	−0.6	+0 41.9
13.0	9.85886	211 59.7	+3.0	+2 21.5	0.18738	76 19.6	−0.7	+0 51.0
23.0	9.85968	228 1.2	+2.5	+1 35.6	0.19093	81 23.7	−0.8	+0 59.5
Sept. 2.0	9.86048	243 59.2	+1.2	+0 42.5	0.19437	86 23.0	−0.9	+1 7.4
12.0	9.86118	259 53.8	−0.4	−0 13.7	0.19767	91 17.7	−0.9	+1 14.7
22.0	9.86174	275 45.6	−1.9	−1 8.7	0.20080	96 8.0	−0.9	+1 21.4
Okt. 2.0	9.86212	291 35.4	−2.9	−1 58.4	0.20376	100 54.3	−0.9	+1 27.4
12.0	9.86228	307 24.0	−3.0	−2 39.1	0.20652	105 36.9	−0.8	+1 32.7
22.0	9.86221	323 12.4	−2.2	−3 7.7	0.20908	110 16.0	−0.8	+1 37.4
Nov. 1.0	9.86193	339 1.5	−0.7	−3 22.1	0.21142	114 52.0	−0.7	+1 41.3
11.0	9.86144	354 52.4	+0.9	−3 21.2	0.21354	119 25.1	−0.6	+1 44.6
21.0	9.86080	10 45.7	+2.3	−3 4.9	0.21543	123 55.7	−0.5	+1 47.2
Dez. 1.0	9.86003	26 42.2	+3.0	−2 34.4	0.21707	128 24.2	−0.3	+1 49.1
11.0	9.85921	42 42.1	+2.8	−1 51.8	0.21847	132 50.8	−0.2	+1 50.4
21.0	9.85840	58 45.7	+1.7	−1 0.4	0.21962	137 15.8	−0.1	+1 51.0
31.0	9.85766	74 52.9	+0.1	−0 4.1	0.22051	141 39.6	+0.1	+1 50.9
41.0	9.85705	91 3.1	−1.5	+0 52.8	0.22115	146 2.4	+0.2	+1 50.2

Venus: $☊ = 76° 1'.6;\quad i = 3° 23'.64;\quad m = \frac{1}{408000}$

Mars: $☊ = 49° 0'.1;\quad i = 1° 51'.05;\quad m = \frac{1}{3093500}$

Mittleres Äquinoktium 1925.0

Mittlere Zeit Greenwich	log R	Länge	log r	Länge in der Bahn	Red. auf d. Eklipt.	Breite	B_0
	ERDE 1917		**JUPITER 1917**				
		° ′		° ′ ″	″	° ′ ″	″
Jan. 5.0	9.99268	104 43.4	0.696552	37 7 50.0	+22.0	−1 9 38.5	−1.4
15.0	9.99286	114 54.7	0.696682	38 2 20.1	+22.4	−1 9 3.6	−1.3
25.0	9.99326	125 5.2	0.696818	38 56 48.2	+22.9	−1 8 27.6	−1.3
Febr. 4.0	9.99387	135 14.3	0.696958	39 51 14.3	+23.3	−1 7 50.5	−1.2
14.0	9.99466	145 21.4	0.697102	40 45 38.2	+23.7	−1 7 12.4	−1.1
24.0	9.99561	155 26.1	0.697250	41 39 59.9	+24.1	−1 6 33.4	−1.0
März 6.0	9.99669	165 28.0	0.697403	42 34 19.4	+24.5	−1 5 53.5	−0.9
16.0	9.99786	175 26.8	0.697560	43 28 36.5	+24.8	−1 5 12.6	−0.8
26.0	9.99909	185 22.2	0.697722	44 22 51.3	+25.1	−1 4 30.8	−0.7
April 5.0	0.00034	195 14.3	0.697887	45 17 3.7	+25.4	−1 3 48.0	−0.6
15.0	0.00157	205 3.0	0.698057	46 11 13.5	+25.7	−1 3 4.2	−0.5
25.0	0.00275	214 48.4	0.698231	47 5 20.7	+25.9	−1 2 19.6	−0.4
Mai 5.0	0.00384	224 30.7	0.698408	47 59 25.3	+26.1	−1 1 34.1	−0.3
15.0	0.00482	234 10.3	0.698590	48 53 27.3	+26.3	−1 0 47.7	−0.2
25.0	0.00566	243 47.5	0.698776	49 47 26.5	+26.5	−1 0 0.4	−0.1
Juni 4.0	0.00633	253 22.6	0.698966	50 41 22.9	+26.6	−0 59 12.3	−0.1
14.0	0.00682	262 56.2	0.699159	51 35 16.4	+26.7	−0 58 23.4	0.0
24.0	0.00712	272 28.8	0.699356	52 29 7.0	+26.8	−0 57 33.7	+0.1
Juli 4.0	0.00721	282 0.9	0.699557	53 22 54.6	+26.8	−0 56 43.2	+0.2
14.0	0.00710	291 33.0	0.699762	54 16 39.3	+26.9	−0 55 51.8	+0.3
24.0	0.00679	301 5.6	0.699970	55 10 20.9	+26.9	−0 54 59.7	+0.4
Aug. 3.0	0.00628	310 39.3	0.700182	56 3 59.4	+26.8	−0 54 6.9	+0.5
13.0	0.00560	320 14.6	0.700397	56 57 34.7	+26.8	−0 53 13.3	+0.6
23.0	0.00475	329 51.9	0.700616	57 51 6.8	+26.7	−0 52 19.0	+0.7
Sept. 2.0	0.00376	339 31.7	0.700838	58 44 35.7	+26.6	−0 51 24.1	+0.7
12.0	0.00266	349 14.3	0.701063	59 38 1.2	+26.5	−0 50 28.4	+0.8
22.0	0.00147	358 59.9	0.701292	60 31 23.4	+26.3	−0 49 32.0	+0.9
Okt. 2.0	0.00023	8 48.9	0.701523	61 24 42.2	+26.1	−0 48 34.9	+1.0
12.0	9.99898	18 41.3	0.701758	62 17 57.6	+25.9	−0 47 37.2	+1.1
22.0	9.99776	28 37.0	0.701996	63 11 9.5	+25.7	−0 46 39.0	+1.2
Nov. 1.0	9.99659	38 36.0	0.702237	64 4 17.9	+25.4	−0 45 40.1	+1.3
11.0	9.99552	48 38.2	0.702481	64 57 22.8	+25.2	−0 44 40.6	+1.4
21.0	9.99458	58 43.2	0.702727	65 50 24.1	+24.9	−0 43 40.5	+1.4
Dez. 1.0	9.99381	68 50.5	0.702970	66 43 21.7	+24.5	−0 42 39.9	+1.5
11.0	9.99322	78 59.8	0.703228	67 36 15.7	+24.2	−0 41 38.8	+1.6
21.0	9.99284	89 10.4	0.703483	68 29 6.0	+23.8	−0 40 37.1	+1.7
31.0	9.99268	99 21.8	0.703740	69 21 52.5	+23.4	−0 39 35.0	+1.8
41.0	9.99274	109 33.3	0.704000	70 14 35.3	+23.0	−0 38 32.4	+1.9

Erde: $m = \frac{1}{329390}$

Jupiter: $\Omega = 99^\circ 41' 52''.2;\quad i = 1^\circ 18' 26''.4;\quad m = \frac{1}{1047.35}$

Mittleres Äquinoktium 1925.0

SATURN 1917

Mittlere Zeit Greenwich	log r	Länge in der Bahn	Red. auf die Ekliptik	Breite	B_0
1917 Febr. 4.0	0.957349	117° 54′ 21″.3	−16″.5	+0° 12′ 35″.9	−10″.0
März 16.0	0.957625	119 23 12.0	−21.4	+0 16 26.5	−10.1
April 25.0	0.957914	120 51 56.1	−26.3	+0 20 16.0	−10.1
Juni 4.0	0.958216	122 20 33.2	−31.1	+0 24 4.4	−10.2
Juli 14.0	0.958532	123 49 3.1	−35.8	+0 27 51.6	−10.3
Aug. 23.0	0.958861	125 17 25.5	−40.4	+0 31 37.3	−10.4
Okt. 2.0	0.959202	126 45 40.0	−44.9	+0 35 21.4	−10.5
Nov. 11.0	0.959555	128 13 46.3	−49.3	+0 39 3.8	−10.6
Dez. 21.0	0.959920	129 41 44.2	−53.5	+0 42 44.3	−10.7
1918 Jan. 30.0	0.960296	131 9 33.4	−57.6	+0 46 22.7	−10.8

$\Omega = 113°\ 0'\ 20''.6;\quad i = 2°\ 29'\ 28''.7;\quad m = \frac{1}{3501.6}$

URANUS 1917

Mittlere Zeit Greenwich	log r	Länge in der Bahn	Red. auf die Ekliptik	Breite	B_0
1917 Febr. 4.0	1.300270	319° 45′ 46″.9	− 6″.9	−0° 42′ 24″.0	+ 0″.3
März 16.0	1.300344	320 11 45.6	− 6.9	−0 42 32.4	+ 0.4
April 25.0	1.300417	320 37 43.6	− 6.8	−0 42 40.6	+ 0.4
Juni 4.0	1.300489	321 3 40.9	− 6.7	−0 42 48.7	+ 0.5
Juli 14.0	1.300560	321 29 37.5	− 6.6	−0 42 56.7	+ 0.5
Aug. 23.0	1.300629	321 55 33.4	− 6.5	−0 43 4.5	+ 0.5
Okt. 2.0	1.300698	322 21 28.7	− 6.3	−0 43 12.2	+ 0.5
Nov. 11.0	1.300766	322 47 23.2	− 6.2	−0 43 19.7	+ 0.6
Dez. 21.0	1.300832	323 13 17.1	− 6.1	−0 43 27.0	+ 0.6
1918 Jan. 30.0	1.300898	323 39 10.3	− 6.0	−0 43 34.2	+ 0.6

$\Omega = 73°\ 37';\quad i = 0°\ 46'\ 22'';\quad m = \frac{1}{22869}$

NEPTUN 1917

Mittlere Zeit Greenwich	log r	Länge in der Bahn	Red. auf die Ekliptik	Breite	B_0
1917 Febr. 4.0	1.477474	123° 40′ 11″.8	+12″.5	−0° 13′ 30″.4	+ 0″.1
März 16.0	1.477494	123 54 36.4	+12.1	−0 13 3.8	+ 0.1
April 25.0	1.477513	124 9 1.1	+11.7	−0 12 37.2	+ 0.1
Juni 4.0	1.477532	124 23 25.8	+11.3	−0 12 10.6	+ 0.1
Juli 14.0	1.477551	124 37 50.5	+10.9	−0 11 43.9	+ 0.1
Aug. 23.0	1.477570	124 52 15.3	+10.5	−0 11 17.2	+ 0.2
Okt. 2.0	1.477589	125 6 40.1	+10.1	−0 10 50.5	+ 0.2
Nov. 11.0	1.477608	125 21 4.9	+ 9.7	−0 10 23.8	+ 0.2
Dez. 21.0	1.477627	125 35 29.8	+ 9.3	−0 9 57.1	+ 0.2
1918 Jan. 30.0	1.477645	125 49 54.7	+ 8.9	−0 9 30.4	+ 0.2

$\Omega = 130°\ 57';\quad i = 1°\ 46'\ 37'';\quad m = \frac{1}{19314}$

Mittlere und Scheinbare Sternörter 1917.

Reduktionsgrößen.

Mittlere Sternörter 1917.0

Nr.	Name	Gr.	AR. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.0001	Dekl. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
1	α Androm.	2.1	0ʰ 4ᵐ 5ˢ.628	+3ˢ.0963	+ 107	+28° 37′ 55″.96	+19″.881	— 161
2	β Cassiopeiae	2.2	0 4 44.370	+3.1856	+ 675	+58 41 31.11	+19.862	— 180
3	ε Phoenicis	3.8	0 5 12.078	+3.0509	+ 99	—46 12 19.80	+19.848	— 192
4	[22 Androm.]	5.2	0 6 0.038	+3.1092	+ 8	+45 36 37.27	+20.036	— 3
5	[χ² Sculptoris]	5.5	0 7 21.661	+3.0500	+ 4	—28 15 43.94	+20.041	+ 6
6	[ϑ Sculptoris]	5.3	0 7 30.899	+3.0517	+ 104	—35 35 52.03	+20.159	+ 124
7	γ Pegasi	2.7	0 8 57.576	+3.0864	+ 1	+14 43 19.54	+20.016	— 14
8	[Br. 6]	6.5	0 11 30.084	+3.3584	+ 67	+76 29 22.59	+20.022	+ 2
9	ι Ceti	3.5	0 15 11.945	+3.0567	— 15	— 9 17 2.49	+19.969	— 32
10	ζ Tucanae	4.2	0 15 45.235	+3.1429	+2703	—65 21 45.52	+21.152	+1154
11	β Hydri	2.8	0 21 24.642	+3.1980	+6982	—77 43 17.99	+20.276	+ 318
12	α Phoenicis	2.3	0 22 11.009	+2.9700	+ 168	—42 45 24.60	+19.543	— 409
13	12 Ceti	6.1	0 25 48.181	+3.0618	+ 8	— 4 24 57.05	+19.910	— 8
14	[Ceti 49 G.]	5.3	0 26 13.743	+3.0014	— 25	—24 14 48.63	+19.924	+ 9
15	[λ¹ Phoenicis]	4.7	0 27 24.890	+2.8997	+ 123	—49 15 45.19	+19.914	+ 12
16	[κ Cassiop.]	4.2	0 28 16.232	+3.3893	+ 11	+62 28 25.91	+19.896	+ 3
17	ζ Cassiopeiae	3.8	0 32 20.306	+3.3284	+ 23	+53 26 24.95	+19.839	— 7
18	π Androm.	4.2	0 32 26.604	+3.1980	+ 17	+33 15 45.30	+19.845	0
19	[ε Androm.]	4.3	0 34 9.935	+3.1647	— 173	+28 51 40.47	+19.572	— 251
20	δ Androm.	3.2	0 34 53.117	+3.2021	+ 106	+30 24 25.21	+19.730	— 84
21	α Cassiopeiae	(2.2)	0 35 47.239	+3.3877	+ 60	+56 4 56.37	+19.772	— 29
22	β Ceti	2.2	0 39 25.431	+3.0124	+ 160	—18 26 31.33	+19.788	+ 39
23	[η Phoenicis]	4.3	0 39 37.754	+2.7063	+ 5	—57 55 6.01	+19.738	— 8
25	ο Cassiopeiae	4.7	0 40 5.565	+3.3316	+ 22	+47 49 48.96	+19.731	— 8
24	21 Cassiopeiae	5.8	0 40 8.467	+3.9086	— 57	+74 32 4.41	+19.716	— 23
26	[λ² Sculptoris]	5.9	0 40 11.354	+2.9024	+ 178	—38 52 44.14	+19.853	+ 115
27	ζ Androm.	4.1	0 42 56.130	+3.1750	— 75	+23 48 56.99	+19.616	— 79
28	[δ Piscium]	4.4	0 44 22.455	+3.1100	+ 52	+ 7 8 0.73	+19.625	— 46
29	[Br. 82]	5.7	0 45 40.648	+3.6162	+ 59	+63 47 45.30	+19.644	— 5
31	[λ Hydri]	5.3	0 45 43.083	+2.0978	+ 399	—75 22 30.55	+19.621	— 26
30	[19 Ceti]	5.4	0 45 58.163	+3.0046	— 159	—11 5 28.10	+19.421	— 223
32	γ Cassiopeiae	2.0	0 51 41.215	+3.5996	+ 37	+60 16 3.12	+19.534	— 4
34	[λ² Tucanae]	5.3	0 51 54.329	+2.2459	— 33	—69 58 32.96	+19.489	— 45
33	μ Androm.	3.9	0 52 8.437	+3.3214	+ 129	+38 2 57.90	+19.565	+ 36
35	α Sculptoris	4.1	0 54 36.415	+2.8915	— 5	—29 48 21.39	+19.474	— 5
36	ε Piscium	4.2	0 58 38.017	+3.1113	— 55	+ 7 26 36.83	+19.424	+ 30
37	[26 Ceti]	6.2	0 59 32.663	+3.0862	+ 81	+ 0 55 19.77	+19.334	— 39
38	β Phoenicis	3.2	1 2 22.838	+2.6796	— 56	—47 9 47.38	+19.292	— 15
39	[ι Tucanae]	5.5	1 4 1.583	+2.3832	+ 100	—62 13 6.19	+19.264	— 4
40	[η Ceti]	3.3	1 4 24.825	+3.0169	+ 138	—10 37 19.15	+19.127	— 132

Nr.	Name	Gr.	AR. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
			h m s	s		° ′ ″	″	
41	[44 H. Ceph.]	5.7	1 5 3.004	+5.0737	+ 332	+79 13 57.53	+19.252	+ 9
42	β Androm.	2.1	1 5 4.773	+3.3517	+ 151	+35 10 51.03	+19.130	−113
43	[τ Piscium]	4.3	1 7 5.077	+3.2977	+ 56	+29 38 57.13	+19.152	− 41
44	[Sculpt. 102 G.]	6.0	1 8 55.968	+2.7639	+ 39	−38 17 46.01	+19.118	− 27
45	υ Piscium	4.6	1 14 54.001	+3.2911	+ 15	+26 49 41.22	+18.974	− 11
47	ϑ Ceti	3.4	1 19 52.451	+2.9980	− 55	− 8 36 40.79	+18.626	−214
46	[ψ Cassiop.]	5.0	1 20 2.989	+4.2010	+ 134	+67 41 50.27	+18.868	+ 33
48	δ Cassiopeiae	2.7	1 20 22.388	+3.9013	+ 398	+59 48 15.70	+18.783	− 43
49	[γ Phoenicis]	3.2	1 24 45.673	+2.6065	− 38	−43 44 35.76	+18.472	−218
50	η Piscium	3.6	1 27 2.334	+3.2062	+ 15	+14 55 5.76	+18.610	− 7
51	40 Cassiopeiae	5.5	1 31 51.227	+4.7362	− 19	+72 37 3.38	+18.451	− 6
52	υ Persei	3.6	1 32 53.341	+3.6685	+ 64	+48 12 29.29	+18.308	−113
53	[Hydri 14 G.]	6.3	1 33 5.247	+0.3681	− 69	−78 55 33.94	+18.287	−128
54	α Eridani	1	1 34 37.524	+2.2380	+ 122	−57 39 29.43	+18.323	− 38
55	43 Cassiopeiae	5.9	1 36 10.367	+4.4040	+ 88	+67 37 25.78	+18.305	− 2
56	[ν Piscium]	4.5	1 37 6.604	+3.1197	− 16	+ 5 4 4.64	+18.274	+ 2
58	[Sculpt. 129 G.]	5.8	1 38 23.426	+2.6439	− 58	−37 15 2.56	+18.203	− 23
57	φ Persei	4.1	1 38 26.932	+3.7449	+ 26	+50 16 15.93	+18.210	− 15
59	τ Ceti	3.4	1 40 12.722	+2.7868	−1195	−16 22 27.41	+19.011	+851
60	ο Piscium	4.3	1 41 0.501	+3.1650	+ 47	+ 8 44 25.54	+18.180	+ 50
61	Lac. ε Sculpt.	5.3	1 41 45.477	+2.8092	+ 99	−25 28 2.26	+18.027	− 75
62	ζ Ceti	3.5	1 47 21.765	+2.9604	+ 22	−10 44 40.92	+17.852	− 34
64	α Trianguli	3.5	1 48 20.725	+3.4135	+ 11	+29 10 29.90	+17.614	−233
63	ε Cassiopeiae	3.3	1 48 24.449	+4.2862	+ 50	+63 15 43.09	+17.830	− 15
65	ξ Piscium	4.6	1 49 15.411	+3.1037	+ 13	+ 2 46 41.43	+17.830	+ 19
66	β Arietis	2.7	1 50 3.061	+3.3088	+ 65	+20 24 10.07	+17.670	−109
67	ψ Phoenicis	4.5	1 50 19.155	+2.4064	− 95	−46 42 32.40	+17.666	−101
68	χ Eridani	3.6	1 52 43.655	+2.3355	+ 712	−52 1 18.93	+17.940	+271
69	[η² Hydri]	4.7	1 52 49.773	+1.5169	+ 119	−68 3 19.23	+17.744	+ 79
71	υ Ceti	3.9	1 56 5.653	+2.8266	+ 91	−21 28 46.39	+17.514	− 14
72	α Hydri	2.9	1 56 9.239	+1.8902	+ 361	−61 58 24.57	+17.547	+ 21
70	50 Cassiopeiae	4.0	1 56 19.022	+5.0650	− 91	+72 1 13.58	+17.543	+ 25
73	γ Androm.	2.1	1 58 47.844	+3.6716	+ 43	+41 55 55.09	+17.359	− 54
74	α Arietis	2.0	2 2 29.413	+3.3763	+ 137	+23 4 13.99	+17.107	−143
75	β Trianguli	3.0	2 4 35.935	+3.5616	+ 122	+34 35 43.02	+17.115	− 40
76	55 Cassiopeiae	6.3	2 7 56.963	+4.6719	− 10	+66 8 10.32	+17.005	+ 3
77	[6 Persei]	5.7	2 8 4.536	+3.9744	+ 367	+50 40 51.15	+16.827	−169
78	Lac. μ Forn.	5.2	2 9 15.205	+2.6428	+ 13	−31 6 46.02	+16.943	+ 2
79	[γ Trianguli]	4.2	2 12 22.467	+3.5587	+ 37	+33 27 50.41	+16.750	− 44
80	67 Ceti	5.8	2 12 50.537	+2.9908	+ 55	− 6 48 14.94	+16.662	−110

Nr.	Name	Gr.	AR. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
			h m s	s		° ′ ″	″	
81	[ϑ Arietis]	5.7	2 13 30.311	+3.3323	— 10	+19 31 3.94	+16.738	— 2
82	[φ Eridani]	3.5	2 13 32.614	+2.1431	+ 81	—51 53 46.01	+16.702	— 36
83	[κ Fornacis]	5.4	2 18 44.676	+2.7452	+ 142	—24 11 34.95	+16.420	— 63
84	[λ Horologii]	5.5	2 22 34.623	+1.6764	— 95	—60 40 59.55	+16.153	—137
85	ξ² Ceti	4.2	2 23 44.620	+3.1867	+ 26	+ 8 5 19.06	+16.226	— 4
86	[κ Eridani]	4.1	2 23 56.502	+2.1981	— 2	—48 4 33.97	+16.197	— 23
88	[λ¹ Fornacis]	6.0	2 29 39.285	+2.4996	— 43	—35 0 53.00	+15.889	— 32
87	36 H. Cassiop.	5.4	2 30 6.580	+5.6415	— 60	+72 27 22.83	+15.918	+ 21
90	μ Hydri	5.5	2 33 23.929	—1.3414	+ 473	—79 28 17.90	+15.688	— 33
89	ν Arietis	5.6	2 34 5.961	+3.4014	— 9	+21 36 11.42	+15.667	— 16
91	δ Ceti	3.9	2 35 13.583	+3.0729	+ 7	— 0 1 44.19	+15.619	— 2
92	[Br. 366]	6.3	2 37 39.811	+5.1210	+ 25	+67 28 22.82	+15.458	— 29
95	[ε Hydri]	4.0	2 38 18.462	+0.9145	+ 169	—68 37 20.74	+15.455	+ 5
93	ϑ Persei	4.1	2 38 31.319	+4.0836	+ 346	+48 52 41.47	+15.350	— 88
94	[35 Arietis]	4.7	2 38 34.593	+3.5142	+ 4	+27 21 16.90	+15.429	— 7
96	[γ Ceti]	3.4	2 38 59.870	+3.1059	— 98	+ 2 53 11.88	+15.264	—148
97	π Ceti	4.0	2 40 10.300	+2.8541	— 8	—14 12 34.62	+15.337	— 9
98	μ Ceti	4.2	2 40 27.157	+3.2397	+ 189	+ 9 45 51.66	+15.299	— 31
99	[η Persei]	3.8	2 44 37.861	+4.3576	+ 28	+55 33 6.94	+15.082	— 11
100	41 Arietis	3.6	2 45 5.630	+3.5253	+ 51	+26 55 8.92	+14.952	—113
101	β Fornacis	4.4	2 45 36.982	+2.5103	+ 63	—32 45 14.31	+15.194	+159
102	τ² Eridani	4.8	2 47 16.398	+2.7205	— 39	—21 20 44.56	+14.910	— 29
103	τ Persei	4.0	2 48 21.779	+4.2371	+ 3	+52 25 25.28	+14.874	— 2
104	η Eridani	3.7	2 52 22.295	+2.9295	+ 52	— 9 13 40.37	+14.420	—218
105	47 H. Cephei	5.8	2 54 59.531	+7.8566	— 113	+79 5 32.96	+14.502	+ 21
106	ϑ Eridani	2.9	2 55 6.751	+2.2724	— 67	—40 38 12.10	+14.501	+ 28
107	α Ceti	2.5	2 57 56.311	+3.1334	— 9	+ 3 45 53.24	+14.225	— 76
108	γ Persei	3.0	2 58 46.491	+4.3284	+ 2	+53 10 56.40	+14.246	— 4
109	ρ Persei	(3.8)	2 59 51.102	+3.8358	+ 114	+38 31 10.31	+14.080	—103
110	μ Horologii	5.1	3 1 39.262	+1.4085	— 117	—60 3 33.89	+14.004	— 68
113	[ϑ Hydri]	5.7	3 2 4.421	+0.1033	+ 51	—72 13 35.45	+14.068	+ 22
111	β Persei	(2.2)	3 2 45.724	+3.8941	+ 7	+40 38 12.37	+14.001	— 1
112	[ι Persei]	4.1	3 3 4.095	+4.3153	+1295	+49 17 49.75	+13.902	— 82
114	δ Arietis	4.3	3 6 52.766	+3.4261	+ 106	+19 24 48.96	+13.739	— 4
116	[94 Ceti]	5.2	3 8 32.219	+3.0605	+ 136	— 1 30 21.10	+13.575	— 61
117	12 Eridani	3.6	3 8 32.647	+2.5468	+ 241	—29 18 49.36	+14.280	+644
115	48 H. Cephei	5.9	3 9 44.210	+7.5056	+ 183	+77 25 53.89	+13.516	— 44
118	[Horol. 38 G.]	6.1	3 10 26.793	+1.5149	— 5	—57 37 55.60	+13.507	— 6
119	[e Eridani]	4.2	3 16 36.814	+2.3958	+2787	—43 23 12.65	+13.845	+734
120	α Persei	1.9	3 18 23.325	+4.2699	+ 29	+49 34 0.36	+12.967	— 26

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121	ο Tauri	3.6	3h 20m 20s.664	+3s.2258	− 44	+ 8° 44′ 15″.08	+12″.786	− 76
122	2 H. Camelop.	4.4	3 22 20.114	+4.8360	− 1	+59 39 8.32	+12.735	+ 6
123	[ξ Tauri]	3.6	3 22 40.107	+3.2485	+ 39	+ 9 26 38.36	+12.661	− 45
124	[σ Persei]	4.8	3 24 42.921	+4.2182	+ 9	+47 42 35.02	+12.590	+ 23
125	*f* Tauri	4.1	3 26 17.279	+3.3090	+ 13	+12 39 10.72	+12.454	− 5
126	[κ Reticuli]	4.8	3 27 55.322	+1.0372	+514	−63 13 47.74	+12.708	+361
127	ε Eridani	3.5	3 29 1.153	+2.8255	−658	− 9 44 18.91	+12.283	+ 12
128	[Horol. 45 G.]	5.8	3 30 6.033	+1.7836	+ 48	−50 39 35.35	+12.277	+ 80
130	[*y* Eridani]	4.5	3 34 6.915	+2.1516	− 16	−40 32 46.87	+11.891	− 24
129	[Gr. 716]	5.4	3 34 56.312	+5.1806	− 21	+62 56 56.37	+11.880	+ 22
131	δ Persei	3.0	3 37 0.494	+4.2605	+ 33	+47 31 23.55	+11.676	− 35
133	[δ Fornacis]	4.9	3 38 56.785	+2.3850	− 5	−32 12 10.77	+11.580	+ 7
132	[ο Persei]	3.9	3 39 6.572	+3.7563	+ 8	+32 1 34.29	+11.545	− 17
135	[δ Eridani]	3.4	3 39 16.262	+2.8728	− 64	−10 2 37.02	+12.297	+747
134	ν Persei	3.9	3 39 32.959	+4.0673	− 6	+42 19 2.52	+11.525	− 5
136	[17 Tauri]	4.0	3 39 56.602	+3.5583	+ 17	+23 51 11.86	+11.458	− 44
137	[24 Eridani]	5.4	3 40 17.468	+3.0455	+ 1	− 1 25 27.04	+11.468	− 8
138	5 H. Camelop.	4.5	3 41 34.361	+6.2855	+ 42	+71 4 41.19	+11.344	− 40
139	η Tauri	3.0	3 42 32.843	+3.5621	+ 18	+23 50 57.73	+11.267	− 48
141	β Reticuli	3.8	3 43 9.235	+0.7431	+478	−65 4 4.89	+11.333	+ 62
140	τ^6 Eridani	4.1	3 43 16.562	+2.5798	−123	−23 29 39.02	+10.742	−519
142	[27 Tauri]	3.8	3 44 13.407	+3.5630	+ 14	+23 48 1.91	+11.148	− 45
143	*g* Eridani	4.1	3 46 20.872	+2.2447	− 40	−36 27 3.78	+10.987	− 52
146	γ Hydri	3.1	3 48 30.595	−0.9605	+123	−74 29 37.37	+10.990	+109
144	ζ Persei	2.9	3 48 54.644	+3.7659	+ 11	+31 38 17.22	+10.840	− 11
145	9 H. Camelop.	5.5	3 50 2.886	+5.0949	− 3	+60 52 1.13	+10.751	− 16
147	ε Persei	3.0	3 52 16.740	+4.0189	+ 23	+39 46 16.02	+10.573	− 29
148	ξ Persei	4.0	3 53 34.519	+3.8871	+ 10	+35 33 12.01	+10.497	− 8
149	γ Eridani	3.0	3 54 9.360	+2.7981	+ 42	−13 44 38.21	+10.350	−112
150	λ Tauri	(3.5)	3 56 4.764	+3.3211	− 5	+12 15 24.02	+10.305	− 13
151	ν Tauri	3.9	3 58 44.359	+3.1895	+ 4	+ 5 45 35.27	+10.108	− 10
153	[Erid. 174 G.]	5.7	4 2 12.132	+2.4719	+148	−27 52 41.68	+ 9.963	+108
152	*c* Persei	4.0	4 2 37.799	+4.3469	+ 33	+47 29 31.30	+ 9.791	− 32
154	o^1 Eridani	4.1	4 7 48.778	+2.9275	+ 8	− 7 3 11.67	+ 9.507	+ 82
155	α Horologii	3.7	4 11 14.964	+1.9855	+ 20	−42 29 54.82	+ 8.940	−219
156	α Reticuli	3.2	4 13 21.096	+0.7657	+ 50	−62 40 52.82	+ 9.042	+ 47
157	[γ Doradus]	4.2	4 13 50.951	+1.5679	+ 88	−51 41 44.33	+ 9.128	+172
160	υ^4 Eridani	3.3	4 14 45.115	+2.2683	+ 37	−34 0 1.49	+ 8.873	− 12
158	[54 Persei]	5.3	4 15 1.034	+3.8904	− 20	+34 22 2.63	+ 8.858	− 6
159	[γ Tauri]	3.7	4 15 4.061	+3.4116	+ 82	+15 25 41.07	+ 8.832	− 29

Mittlere Sternörter 1917.0

Nr.	Name	Gr.	AR. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.0001	Dekl. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
161	[Erid. 212 G.]	5.4	4ʰ 17ᵐ 1ˢ.791	+2ˢ.6181	+ 36	−20° 50′ 12″.17	+8″.722	+ 15
162	δ Tauri	3.8	4 18 8.755	+3.4574	+ 78	+17 20 55.58	+8.587	− 31
163	[η Reticuli]	5.3	4 20 59.280	+0.6424	+126	−63 34 59.82	+8.553	+160
166	[δ Mensae]	5.8	4 23 33.221	−4.1364	+ 97	−80 24 33.73	+8.260	+ 72
164	ε Tauri	3.5	4 23 46.077	+3.5008	+ 80	+18 59 50.37	+8.137	− 35
165	[1 Camel. seq.]	6.3	4 25 26.984	+4.7419	+ 7	+53 43 54.20	+8.038	0
167	[δ Caeli]	5.2	4 28 17.492	+1.8356	− 6	−45 7 53.44	+7.792	− 17
168	α Tauri	1	4 31 9.361	+3.4403	+ 49	+16 20 36.19	+7.389	−189
169	ν Eridani	3.8	4 32 10.246	+2.9966	+ 2	− 3 31 16.84	+7.491	− 4
171	α Doradus	3.2	4 32 12.170	+1.2953	+ 71	−55 12 57.68	+7.496	+ 3
170	[υ² Eridani]	3.5	4 32 19.359	+2.3310	− 46	−30 43 53.52	+7.477	− 6
172	53 Eridani	3.9	4 34 22.691	+2.7463	− 54	−14 27 56.06	+7.151	−164
174	τ Tauri	4.2	4 37 15.683	+3.5987	+ 5	+22 47 55.31	+7.062	− 19
173	Gr. 848	6.2	4 37 38.356	+8.0244	+107	+75 47 32.54	+6.916	−134
175	4 Camelop.	5.5	4 41 4.970	+4.9873	+ 61	+56 36 40.18	+6.621	−146
176	[μ Eridani]	3.8	4 41 21.087	+2.9991	+ 13	− 3 24 21.46	+6.733	− 12
177	[μ Mensae]	5.5	4 43 53.247	−0.6120	+ 17	−71 5 0.09	+6.564	+ 28
178	9 Camelop.	4.3	4 45 47.290	+5.9461	+ 5	+66 12 12.36	+6.388	+ 10
179	[π⁴ Orionis]	3.7	4 46 47.048	+3.1940	0	+ 5 27 50.44	+6.288	− 7
180	π⁵ Orionis	3.7	4 49 55.600	+3.1238	− 2	+ 2 18 20.19	+6.031	− 3
181	ι Aurigae	2.7	4 51 35.165	+3.9043	+ 10	+33 2 8.86	+5.875	− 20
183	ε Aurigae	(3.2)	4 56 0.580	+4.3010	+ 6	+43 42 6.01	+5.511	− 14
182	10 Camelop.	4.1	4 56 1.702	+5.3268	− 1	+60 19 20.92	+5.512	− 12
184	ι Tauri	4.8	4 58 7.985	+3.5846	+ 53	+21 28 20.81	+5.303	− 43
185	η Aurigae	3.3	5 0 41.494	+4.2039	+ 33	+41 7 24.29	+5.059	− 71
186	ε Leporis	3.2	5 1 56.827	+2.5393	+ 20	−22 28 54.37	+4.956	− 68
187	[η² Pictoris]	5.1	5 2 48.815	+1.5498	+ 35	−49 41 22.86	+4.956	+ 6
188	β Eridani	2.7	5 3 46.121	+2.9489	− 59	− 5 11 34.40	+4.790	− 79
189	[ζ Doradus]	4.7	5 4 5.069	+1.0233	− 71	−57 35 8.95	+4.945	+103
190	[λ Eridani]	4.2	5 5 10.426	+2.8706	+ 3	− 8 51 34.87	+4.746	− 4
192	μ Aurigae	5.1	5 7 44.775	+4.1027	− 13	+38 23 14.41	+4.452	− 79
191	19 H. Camelop.	5.1	5 8 51.002	+9.8335	−314	+79 8 19.38	+4.597	+160
194	β Orionis	1	5 10 32.890	+2.8825	+ 2	− 8 17 48.06	+4.292	0
193	α Aurigae	1	5 10 33.295	+4.4289	+ 85	+45 54 53.55	+3.864	−428
195	[τ Orionis]	3.7	5 13 34.527	+2.9123	− 12	− 6 55 59.69	+4.026	− 7
196	ϑ Doradus	4.8	5 13 49.048	−0.0527	+ 14	−67 16 43.27	+4.051	+ 39
197	[o Columbae]	4.9	5 14 29.403	+2.1624	+ 63	−34 58 32.25	+3.626	−328
198	[Columb. 12 G.]	6.0	5 16 5.187	+2.3919	+ 8	−27 27 12.65	+3.806	− 11
199	[ζ Pictoris]	5.6	5 17 19.863	+1.4693	+ 9	−50 41 41.02	+3.937	+227
200	[η Orion. m.]	3.3	5 20 18.208	+3.0163	+ 5	− 2 28 21.37	+3.456	+ 1

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201	γ Orionis	1.7	5h 20m 40s.714	+3s.2172	− 3	+ 6° 16′ 31″.29	+3″.402	− 20
202	β Tauri	1.8	5 21 2.633	+3.7915	+ 25	+28 32 18.48	+3.214	−177
203	17 Camelop.	5.9	5 22 19.569	+5.6597	− 3	+62 59 58.34	+3.279	− 1
204	[β Leporis]	2.9	5 24 41.342	+2.5708	+ 4	−20 49 29.73	+2.983	− 93
206	δ Orionis	2.2	5 27 45.924	+3.0643	0	− 0 21 34.88	+2.808	− 2
205	Gr. 966	6.6	5 28 37.031	+8.0094	− 8	+74 59 28.37	+2.756	+ 20
207	α Leporis	2.6	5 29 4.136	+2.6456	+ 2	−17 52 51.40	+2.699	+ 2
208	[ψ¹ Orionis]	4.6	5 30 15.790	+3.2927	− 1	+ 9 26 3.36	+2.583	− 10
209	ι Orionis	2.8	5 31 22.355	+2.9346	+ 4	− 5 57 48.86	+2.493	− 4
210	ε Orionis	1.6	5 32 0.069	+3.0437	+ 1	− 1 15 14.62	+2.440	− 3
211	ζ Tauri	3.0	5 32 41.010	+3.5850	+ 6	+21 5 34.62	+2.358	− 26
212	β Doradus	3.7	5 32 54.175	+0.5174	− 13	−62 32 38.19	+2.362	− 2
213	[σ Orionis]	3.8	5 34 34.723	+3.0113	0	− 2 38 49.58	+2.218	− 1
214	[γ Mensae]	5.3	5 35 9.745	−2.3912	+279	−76 24 2.73	+2.467	+299
215	α Columbae	2.4	5 36 38.549	+2.1718	− 1	−34 7 4.06	+2.002	− 37
216	ο Aurigae	5.7	5 39 28.151	+4.6466	− 6	+49 47 28.70	+1.785	− 9
217	[γ Leporis]	3.8	5 41 0.203	+2.5016	−201	−22 28 29.16	+1.284	−376
218	[130 Tauri]	5.8	5 42 35.811	+3.4983	+ 4	+17 41 56.64	+1.515	− 6
219	ζ Leporis	3.5	5 43 11.648	+2.7180	− 12	−14 51 7.47	+1.467	− 2
220	κ Orionis	2.1	5 43 49.179	+2.8452	+ 4	− 9 41 53.78	+1.411	− 3
221	[ν Aurigae]	3.9	5 45 44.184	+4.1572	− 4	+39 7 31.55	+1.258	+ 11
222	[δ Leporis]	3.8	5 47 45.097	+2.5800	+165	−20 53 7.49	+0.418	−653
223	[β Columbae]	2.9	5 48 1.949	+2.1135	+ 33	−35 47 55.83	+1.450	+404
224	α Orionis	1	5 50 40.671	+3.2479	+ 20	+ 7 23 33.38	+0.829	+ 13
226	[η Leporis]	3.6	5 52 37.458	+2.7325	− 27	−14 10 55.33	+0.785	+140
225	δ Aurigae	3.8	5 52 41.564	+4.9400	+100	+54 16 47.32	+0.517	−122
227	β Aurigae	1.9	5 53 26.432	+4.4015	− 42	+44 56 24.98	+0.566	− 8
228	ϑ Aurigae	2.7	5 54 3.685	+4.0919	+ 49	+37 12 28.64	+0.432	− 87
229	η Columbae	3.9	5 56 36.362	+1.8367	+ 22	−42 49 9.72	+0.263	− 34
230	[66 Orionis]	5.9	6 0 35.208	+3.1694	− 6	+ 4 9 51.12	−0.066	− 15
231	[Puppis 1 G.]	5.8	6 2 5.068	+1.7264	− 83	−45 2 8.77	+0.050	+232
232	ν Orionis	4.4	6 2 49.988	+3.4263	+ 11	+14 46 45.46	−0.279	− 31
233	[36 Camelop.]	5.6	6 4 30.043	+6.0364	− 5	+65 44 12.05	−0.423	− 29
235	[δ Pictoris]	5.0	6 8 40.853	+1.1668	− 22	−54 56 59.37	−0.766	− 7
234	22 H. Camelop.	4.6	6 9 42.184	+6.6172	+ 16	+69 21 3.85	−0.951	−102
236	η Geminor.	3.3	6 9 52.066	+3.6224	− 42	+22 31 55.09	−0.876	− 13
237	[2 Lyncis]	4.4	6 12 18.079	+5.2966	− 7	+59 2 33.28	−1.046	+ 29
239	[α Mensae]	5.1	6 12 42.598	−1.7895	+237	−74 43 30.55	−1.337	−226
238	[κ Columbae]	4.4	6 13 35.932	+2.1341	− 6	−35 6 44.31	−1.115	+ 74
240	ζ Canis maj.	2.9	6 17 7.575	+2.3026	+ 2	−30 1 32.73	−1.493	+ 4

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241	μ Geminor.	2.9	6h 17m 56s.385	+ 3s.6309	+ 48	+22° 33′ 26″.29	−1″.678	− 111
242	ψ¹ Aurigae	5.1	6 18 30.448	+ 4.6239	+ 9	+49 19 53.95	−1.620	− 3
243	β Canis maj.	2.0	6 19 2.653	+ 2.6417	− 4	−17 54 50.04	−1.662	+ 2
244	8 Monocer.	4.5	6 19 22.210	+ 3.1799	− 7	+ 4 38 9.32	−1.688	+ 4
245	α Argus	1	6 22 6.494	+ 1.3314	+ 16	−52 38 59.72	−1.919	+ 11
246	10 Monocer.	5.0	6 23 51.660	+ 2.9629	− 2	− 4 42 35.93	−2.078	+ 5
247	8 Lyncis	6.3	6 30 6.508	+ 5.4900	−284	+61 33 20.51	−2.903	− 277
249	ξ² Canis maj.	4.6	6 31 34.643	+ 2.5141	+ 5	−22 53 53.87	−2.740	+ 13
248	23 H. Camelop.	5.6	6 32 5.515	+10.2955	−278	+79 39 26.00	−3.421	− 622
250	51 Aurigae	6.1	6 32 54.534	+ 4.1598	− 18	+39 27 54.69	−2.983	− 114
251	γ Geminor.	2.0	6 32 55.061	+ 3.4672	+ 34	+16 28 16.08	−2.915	− 45
252	ν Argus	3.1	6 35 13.273	+ 1.8355	− 4	−43 7 21.80	−3.089	− 20
253	*S* Monocer.	(4.4)	6 36 24.464	+ 3.3053	+ 6	+ 9 58 24.52	−3.176	− 5
254	ε Geminor.	3.1	6 38 49.611	+ 3.6933	+ 3	+25 12 51.83	−3.394	− 15
256	ξ Geminor.	3.4	6 40 37.899	+ 3.3685	− 75	+12 59 9.73	−3.735	− 199
255	[ψ⁵ Aurigae]	5.5	6 40 45.546	+ 4.3285	+ 6	+43 39 40.37	−3.392	+ 154
257	α Canis maj.¹)	1	6 41 29.536	+ 2.6438	−369	−16 36 5.38	−4.822	−1212
258	18 Monocer.	4.7	6 43 32.029	+ 3.1298	− 2	+ 2 30 13.82	−3.805	− 20
259	[43 Camelop.]	5.1	6 44 45.781	+ 6.4870	+ 16	+68 59 11.77	−3.888	+ 3
264	[ζ Mensae]	5.7	6 46 58.566	− 4.9447	− 37	−80 43 37.94	−3.995	+ 85
261	ϑ Geminor.	3.4	6 47 19.221	+ 3.9577	+ 7	+34 3 44.74	−4.164	− 55
262	α Pictoris	3.2	6 47 20.439	+ 0.6180	−101	−61 51 7.21	−3.855	+ 256
263	[τ Argus]	2.9	6 47 52.579	+ 1.4888	+ 29	−50 30 55.60	−4.253	− 96
260	[24 H. Camel.]	4.6	6 47 58.855	+ 8.7952	+217	+77 5 8.20	−4.180	− 13
265	15 Lyncis	4.6	6 50 5.647	+ 5.2042	0	+58 31 59.03	−4.477	− 130
266	ϑ Canis maj.	4.1	6 50 20.025	+ 2.7876	− 94	−11 56 1.88	−4.381	− 13
267	[ι Volantis]	5.4	6 52 24.219	− 0.6781	− 4	−70 51 36.67	−4.532	+ 12
268	ε Canis maj.	1.5	6 55 21.791	+ 2.3576	0	−28 51 30.33	−4.794	+ 1
269	ζ Geminor.	(3.8)	6 59 11.249	+ 3.5607	0	+20 41 35.18	−5.122	− 3
270	[o² Canis maj.]	3.1	6 59 33.514	+ 2.5053	− 2	−23 42 40.70	−5.151	0
271	γ Canis maj.	4.0	7 0 0.229	+ 2.7152	+ 8	−15 30 35.59	−5.201	− 12
272	[Carinae 27 G.]	5.5	7 2 45.431	+ 1.1173	− 24	−56 37 24.05	−5.428	− 7
273	δ Canis maj.	1.9	7 5 0.955	+ 2.4389	− 8	−26 15 38.59	−5.607	+ 3
274	63 Aurigae	5.0	7 5 56.950	+ 4.1319	+ 45	+39 27 25.69	−5.689	0
275	[*J* Puppis]	4.5	7 10 11.584	+ 1.7095	−148	−46 37 12.76	−5.954	+ 90
276	[64 Aurigae]	6.0	7 12 16.143	+ 4.1780	− 3	+41 1 54.62	−6.213	+ 3
277	λ Geminor.	3.6	7 13 19.455	+ 3.4499	− 31	+16 41 27.79	−6.348	− 44
278	π Argus	2.5	7 14 12.640	+ 2.1184	− 14	−36 56 52.22	−6.375	+ 3
279	δ Geminor.	3.3	7 15 10.070	+ 3.5863	− 11	+22 8 10.47	−6.468	− 10
280	19 Lync. seq.	5.5	7 16 6.047	+ 4.9066	− 1	+55 26 20.91	−6.569	− 34

Nr.	Name	Gr.	AR. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
			h m s	s		° ' "	"	
281	δ Volantis	4.0	7 16 52.633	−0.0199	+ 4	−67 48 19.30	− 6.611	− 12
282	ι Geminor.	3.8	7 20 34.443	+3.7304	− 83	+27 57 50.83	− 6.989	− 85
283	[η Can. maj.]	2.4	7 20 48.710	+2.3730	− 5	−29 8 25.45	− 6.910	+ 13
284	Gr. 1308	5.8	7 22 15.367	+6.2707	− 7	+68 38 12.88	− 7.085	− 44
285	β Canis min.	2.9	7 22 39.042	+3.2555	− 31	+ 8 27 26.99	− 7.114	− 41
286	ρ Geminor.	4.4	7 23 46.519	+3.8632	+122	+31 57 2.58	− 6.983	+ 183
287	α Gemin.[2]	1.8,2.8	7 29 18.283	+3.8344	−129	+32 4 19.05	− 7.696	− 81
288	[Pupp. 108 G.]	4.7	7 30 29.983	+2.5674	− 39	−22 6 58.72	− 7.694	+ 18
289	25 Monocer.	5.3	7 33 9.121	+2.9837	− 47	− 3 55 29.38	− 7.905	+ 20
290	[f Puppis]	4.7	7 34 17.797	+2.2193	− 27	−34 46 52.23	− 8.001	+ 16
291	α Can. min.[3]	0.5	7 34 57.481	+3.1422	−469	+ 5 26 19.11	− 9.098	−1028
292	24 Lyncis	5.0	7 35 59.544	+5.0922	− 47	+58 54 21.35	− 8.206	− 53
293	[26 Monocer.]	4.0	7 37 16.894	+2.8663	− 57	− 9 21 24.22	− 8.277	− 21
294	κ Geminor.	3.4	7 39 26.358	+3.6262	− 15	+24 35 52.96	− 8.481	− 54
295	β Geminor.	1.1	7 40 14.371	+3.6757	−468	+28 13 39.65	− 8.544	− 53
296	π Geminor.	5.5	7 42 9.502	+3.8743	− 1	+33 37 13.60	− 8.673	− 31
297	ζ Volantis	3.9	7 42 50.827	−0.7238	+ 8	−72 24 24.94	− 8.689	+ 8
298	[Pupp. 205 G.]	5.7	7 47 55.721	+2.7788	− 41	−13 40 37.41	− 9.438	− 343
299	[26 Lyncis]	5.7	7 48 40.438	+4.3790	− 40	+47 46 51.26	− 9.160	− 7
301	[α Puppis]	3.7	7 49 21.796	+2.0619	− 18	−40 21 40.04	− 9.205	+ 1
300	Gr. 1374	5.5	7 50 17.198	+7.2396	− 30	+74 8 29.59	− 9.310	− 32
302	[53 Camelop.]	6.3	7 54 37.771	+5.1468	− 30	+60 33 9.58	− 9.635	− 21
303	χ Argus	3.5	7 54 40.155	+1.5270	− 32	−52 45 32.95	− 9.592	+ 24
304	[27 Monocer.]	5.2	7 55 35.443	+2.9994	− 27	− 3 27 8.68	− 9.678	+ 9
305	χ Geminor.	5.1	7 58 25.414	+3.6897	− 15	+28 1 40.84	− 9.949	− 46
306	ζ Argus	2.2	8 0 39.965	+2.1077	− 34	−39 46 7.52	−10.063	+ 10
307	27 Lyncis	4.6	8 2 13.266	+4.5264	− 59	+51 44 49.53	−10.195	− 4
308	ι Navis	2.8	8 4 0.532	+2.5547	− 64	−24 3 51.74	−10.278	+ 47
309	γ Argus	2.1	8 6 58.445	+1.8488	− 12	−47 5 29.40	−10.551	− 4
310	Br. 1147	5.8	8 9 8.972	+7.6137	+ 58	+76 0 43.90	−10.691	+ 17
311	20 Navis	5.3	8 9 31.091	+2.7581	− 8	−15 32 14.85	−10.741	− 6
312	β Cancri	3.5	8 12 0.935	+3.2561	− 30	+ 9 26 31.79	−10.971	− 52
313	[q Puppis]	4.4	8 15 26.822	+2.2441	−104	−36 24 5.44	−11.080	+ 89
314	31 Lyncis	4.4	8 17 9.541	+4.1180	− 8	+43 27 19.22	−11.401	− 108
315	ε Argus	1.7	8 20 48.749	+1.2347	− 32	−59 14 31.11	−11.541	+ 15
316	Br. 1197	3.6	8 21 30.847	+2.9993	− 41	− 3 38 5.57	−11.627	− 21
318	ϑ Chamael.	4.2	8 23 9.084	−1.7511	−457	−77 13 1.69	−11.693	+ 30
317	ο Ursae maj.	3.3	8 23 22.845	+5.0093	−174	+60 59 48.68	−11.850	− 111
319	[β Volantis]	3.7	8 24 50.286	+0.6614	− 54	−65 51 35.12	−12.019	− 177
320	Gr. 1450	6.3	8 27 31.532	+3.9086	− 83	+38 18 7.22	−12.201	− 170

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321	η Cancri	5.6	8h 27m 54s.706	+3s.4740	− 26	+20° 43′ 26″.25	−12″.108	− 50
322	[Gr. 1446]	6.4	8 30 30.651	+6.7411	− 36	+73 55 17.02	−12.342	−104
323	[Gr. 1460]	6.3	8 33 9.106	+4.4610	− 38	+53 0 12.43	−12.456	− 35
324	[e Velorum]	4.2	8 34 43.461	+2.1079	− 22	−42 41 53.75	−12.535	− 7
325	[6 Hydrae]	5.4	8 36 5.518	+2.8421	− 64	−12 10 52.62	−12.624	− 3
326	δ Cancri	3.9	8 39 58.249	+3.4136	− 9	+18 27 36.48	−13.119	−236
327	α Pyxidis	3.7	8 40 15.386	+2.4099	− 15	−32 53 11.65	−12.890	+ 12
328	ι Cancri	4.1	8 41 40.702	+3.6369	− 12	+29 3 51.61	−13.044	− 47
329	[ε Hydrae]	3.3	8 42 22.934	+3.1797	− 126	+ 6 43 26.71	−13.094	− 50
330	δ Argus	2.0	8 42 24.715	+1.6574	+ 22	−54 24 14.73	−13.139	− 93
331	[η Chamael.]	5.9	8 44 10.404	−1.9694	− 151	−78 39 44.68	−13.129	+ 34
332	[γ Pyxidis]	4.2	8 47 0.544	+2.5459	− 100	−27 24 4.88	−13.255	+ 93
333	[σ² Cancri med.]	5.6	8 49 11.070	+3.6672	+ 31	+30 53 40.26	−13.516	− 26
334	ζ Hydrae	3.1	8 51 0.471	+3.1739	− 64	+ 6 15 43.75	−13.596	+ 12
336	c Carinae	4.0	8 53 10.074	+1.3628	− 26	−60 19 37.20	−13.694	+ 52
335	ι Ursae maj.	2.9	8 53 31.950	+4.1217	− 437	+48 22 6.14	−14.016	−247
337	α Cancri	4.1	8 53 56.993	+3.2845	+ 26	+12 10 47.11	−13.831	− 35
338	[ρ Ursae maj.]	4.9	8 55 4.858	+5.4522	− 34	+67 57 15.22	−13.852	+ 15
339	10 Ursae maj.	3.9	8 55 15.504	+3.9061	− 383	+42 6 43.85	−14.143	−264
340	[Gr. 1501]	5.9	8 57 56.094	+4.4140	− 8	+54 36 43.05	−14.044	+ 3
341	ϰ Ursae maj.	3.3	8 57 57.975	+4.1097	− 27	+47 29 8.24	−14.113	− 65
343	α Volantis	4.1	9 1 8.380	+0.9537	− 8	−66 3 52.68	−14.358	−114
342	[c Velorum]	3.9	9 1 17.391	+2.0662	− 70	−46 46 0.90	−14.282	− 28
344	σ² Ursae maj.	4.9	9 3 6.560	+5.3181	− 16	+67 28 21.58	−14.432	− 67
345	λ Argus	2.1	9 4 56.479	+2.2044	− 33	−43 5 49.07	−14.468	+ 9
346	[36 Lyncis]	5.3	9 8 22.908	+3.9360	− 18	+43 33 38.45	−14.726	− 42
347	ϑ Hydrae	3.9	9 10 2.843	+3.1236	+ 89	+ 2 39 54.29	−15.095	−313
348	β Argus	1.7	9 12 17.684	+0.6699	− 303	−69 22 30.61	−14.817	+ 97
349	[38 Lyncis]	3.9	9 13 41.088	+3.7429	− 18	+37 9 16.46	−15.124	−129
350	83 Cancri	6.7	9 14 21.100	+3.3528	− 80	+18 3 28.41	−15.169	−135
351	[ι Argus]	2.2	9 14 52.069	+1.6060	− 35	−58 55 35.85	−15.062	+ 2
352	40 Lyncis	3.2	9 16 0.201	+3.6629	− 178	+34 44 39.25	−15.117	+ 12
353	ϰ Argus	2.5	9 19 32.525	+1.8564	− 22	−54 39 20.85	−15.328	+ 2
354	α Hydrae	2.0	9 23 30.558	+2.9490	− 7	− 8 17 53.67	−15.519	+ 32
355	h Ursae maj.	3.5	9 25 0.094	+4.7617	+ 168	+63 25 32.45	−15.605	+ 28
356	[ε Antliae]	4.7	9 25 49.096	+2.4743	− 25	−35 35 16.41	−15.692	− 14
357	d Ursae maj.	4.5	9 27 10.103	+5.3560	− 120	+70 11 46.23	−15.676	+ 75
358	ϑ Ursae maj.	3.1	9 27 18.904	+4.0291	−1027	+52 3 22.83	−16.306	−546
359	ψ Argus	3.6	9 27 25.763	+2.3604	− 172	−40 6 10.10	−15.691	+ 74
361	[N Velorum]	3.0	9 28 41.996	+1.8229	− 36	−56 40 3.91	−15.832	+ 1

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360	10 Leon. min.	4.6	9h 29m 8s.646	+3s.6847	+ 13	+36° 46' 0".38	−15".883	− 26
362	[H Carinae]	5.8	9 30 59.487	+0.4673	− 61	−72 42 45.72	−15.972	− 17
363	[Gr. 1564]	5.9	9 35 9.950	+5.1841	−131	+69 36 58.22	−16.247	− 74
364	[κ Hydrae]	5.1	9 36 19.634	+2.8761	− 18	−13 57 18.38	−16.245	− 11
365	[ο Leonis]	3.8	9 36 43.371	+3.2050	− 94	+10 16 13.88	−16.292	− 37
366	ϑ Antliae	5.0	9 40 30.053	+2.6728	− 40	−27 23 20.32	−16.410	+ 35
367	ε Leonis	3.0	9 41 8.602	+3.4109	− 31	+24 9 25.21	−16.495	− 17
369	υ Argus	3.0	9 45 1.672	+1.5011	− 21	−64 41 12.03	−16.670	− 1
368	υ Ursae maj.	3.8	9 45 6.036	+4.2908	−379	+59 25 47.57	−16.826	−154
370	6 Sextantis	6.2	9 47 3.123	+3.0241	+ 8	− 3 51 13.96	−16.796	− 30
371	[μ Leonis]	4.0	9 48 2.800	+3.4176	−162	+26 23 54.48	−16.870	− 56
373	[Hydrae 183 G.]	5.5	9 50 57.325	+2.8299	− 24	−18 36 57.18	−17.017	− 66
372	Gr. 1586	6.3	9 50 59.615	+5.4280	−179	+73 16 30.00	−16.998	− 45
374	[19 Leon. min.]	5.2	9 52 36.436	+3.6854	−100	+41 27 5.27	−17.055	− 27
375	[φ Argus]	3.7	9 53 56.805	+2.1030	− 21	−54 10 20.42	−17.092	− 2
377	[η Antliae]	5.3	9 55 18.490	+2.5711	− 83	−35 29 35.80	−17.175	− 24
376	[12 Sextantis]	6.7	9 55 24.830	+3.1136	− 47	+ 3 46 55.61	−17.129	+ 27
378	π Leonis	4.9	9 55 49.741	+3.1728	− 21	+ 8 26 34.61	−17.200	− 25
379	η Leonis	3.4	10 2 48.596	+3.2745	− 2	+17 10 4.37	−17.488	− 6
380	α Leonis	1.3	10 3 57.223	+3.1982	−167	+12 22 23.88	−17.531	− 1
381	λ Hydrae	3.7	10 6 32.511	+2.9250	−134	−11 56 36.12	−17.726	− 87
382	q Velorum	3.9	10 11 14.909	+2.5130	−154	−41 42 37.06	−17.786	+ 45
385	[ω Argus]	3.4	10 11 46.100	+1.4330	− 28	−69 37 31.84	−17.852	0
384	ζ Leonis	3.4	10 12 4.637	+3.3420	+ 15	+23 49 53.14	−17.871	− 7
383	λ Ursae maj.	3.4	10 12 5.855	+3.6297	−148	+43 19 45.47	−17.914	− 49
386	μ Ursae maj.	3.0	10 17 23.437	+3.5851	− 70	+41 55 2.48	−18.046	+ 24
387	30 H. Urs. maj.	5.0	10 18 9.792	+4.3596	− 25	+65 59 12.21	−18.118	− 18
388	[25 Sextantis]	6.2	10 19 14.783	+3.0323	− 40	− 3 39 15.22	−18.142	− 2
389	μ Hydrae	3.9	10 22 4.550	+2.9010	− 85	−16 24 44.02	−18.325	− 82
391	J Carinae	4.1	10 22 44.994	+1.1955	− 67	−73 36 31.94	−18.285	− 17
390	31 Leon. min.	4.2	10 23 5.353	+3.4783	− 96	+37 7 58.70	−18.386	−106
392	Lac. α Antliae	4.2	10 23 21.120	+2.7424	− 62	−30 38 41.38	−18.280	+ 10
393	s Carinae	4.1	10 24 49.718	+2.1960	− 32	−58 18 55.19	−18.356	− 14
394	36 Ursae maj.	4.8	10 25 19.524	+3.8587	−216	+56 24 23.93	−18.393	− 33
395	9 H. Dracon.	4.9	10 28 4.648	+5.1779	− 96	+76 8 28.19	−18.458	− 4
396	[ρ Leonis]	3.8	10 28 26.541	+3.1613	− 6	+ 9 44 2.73	−18.472	− 5
397	[p Carinae]	3.5	10 29 4.253	+2.1293	− 18	−61 15 29.00	−18.483	+ 5
398	[37 Ursae maj.]	5.2	10 29 49.578	+3.8854	+ 83	+57 30 38.06	−18.478	+ 36
399	[44 Hydrae]	5.6	10 30 3.960	+2.8522	− 2	−23 19 1.65	−18.501	+ 21
400	[p Velorum]	4.0	10 33 48.512	+2.5131	−183	−47 47 39.50	−18.678	− 34

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			h m s	s		° ' "	"	
401	[γ Chamael.]	4.2	10 34 29.940	+0.7343	−116	−78 10 37.43	−18.637	+ 30
402	[x Velorum]	4.4	10 35 59.802	+2.3768	− 75	−55 10 15.08	−18.735	− 21
403	[35 H. Urs. maj.]	5.1	10 37 8.662	+4.3357	− 19	+69 30 38.69	−18.768	− 18
404	33 Sextantis	6.6	10 37 10.875	+3.0525	− 94	− 1 18 17.84	−18.876	−125
405	[41 Leon. min.]	5.2	10 38 54.383	+3.2671	− 81	+23 37 24.03	−18.791	+ 13
406	ϑ Argus	2.8	10 39 59.562	+2.1345	− 26	−63 57 33.52	−18.832	+ 4
407	42 Leon. min.	5.3	10 41 15.240	+3.3429	− 15	+31 7 11.43	−18.911	− 37
408	μ Argus	2.7	10 43 11.698	+2.5723	+ 49	−48 58 53.20	−18.995	− 65
409	l Leonis	5.4	10 44 53.765	+3.1559	− 3	+10 59 4.83	−19.009	− 30
411	[δ² Chamael.]	4.7	10 45 1.309	+0.5995	−119	−80 6 8.19	−18.973	+ 9
410	[ν Hydrae]	3.2	10 45 31.723	+2.9589	+ 66	−15 45 32.61	−18.802	+195
412	[46 Leon. min.]	3.9	10 48 40.482	+3.3632	+ 76	+34 39 45.55	−19.365	−282
414	[ι Antliae]	4.9	10 52 50.821	+2.7912	+ 62	−36 41 28.89	−19.328	−137
413	[Br. 1508]	6.4	10 53 21.236	+4.8833	−259	+78 12 54.83	−19.230	− 26
415	i Velorum	4.5	10 56 20.584	+2.7472	+ 20	−41 46 49.81	−19.281	− 4
416	β Ursae maj.	2.3	10 56 50.565	+3.6390	+101	+56 49 39.25	−19.263	+ 26
417	α Ursae maj.	1.8	10 58 37.065	+3.7260	−175	+62 11 57.59	−19.403	− 72
418	χ Leonis	4.8	11 0 44.209	+3.0963	−231	+ 7 47 5.95	−19.425	− 46
419	[χ Hydrae]	4.8	11 1 19.810	+2.8860	−154	−26 50 43.48	−19.399	− 7
420	ψ Ursae maj.	3.0	11 5 0.201	+3.3840	− 57	+44 56 56.55	−19.507	− 36
421	β Crateris	4.3	11 7 34.435	+2.9479	0	−22 22 20.78	−19.621	− 98
422	δ Leonis	2.4	11 9 41.802	+3.1948	+106	+20 58 43.12	−19.701	−136
423	ϑ Leonis	3.3	11 9 53.184	+3.1509	− 43	+15 53 0.38	−19.650	− 81
424	[Gr. 1757]	6.1	11 12 1.595	+3.3930	− 97	+49 55 45.75	−19.630	− 22
425	ν Ursae maj.	3.4	11 13 59.993	+3.2477	− 16	+33 32 50.45	−19.621	+ 22
426	δ Crateris	3.6	11 15 11.377	+2.9975	− 88	−14 19 45.19	−19.463	+200
427	σ Leonis	4.1	11 16 51.448	+3.0948	− 62	+ 6 29 3.83	−19.703	− 12
428	π Centauri	4.1	11 17 12.999	+2.7267	− 41	−54 2 9.66	−19.710	− 13
429	Gr. 1771	6.2	11 17 56.144	+3.5896	− 10	+64 47 5.78	−19.674	+ 34
430	[ι Leonis]	4.0	11 19 35.911	+3.1288	+106	+10 59 11.48	−19.818	− 84
431	[γ Crateris]	4.0	11 20 44.021	+2.9948	− 72	−17 13 40.52	−19.745	+ 7
432	[58 Ursae maj.]	6.1	11 26 1.976	+3.2564	− 44	+43 37 44.18	−19.754	+ 72
433	λ Draconis	3.6	11 26 29.573	+3.5935	− 80	+69 47 21.44	−19.853	− 21
434	ξ Hydrae	3.6	11 28 54.974	+2.9456	−167	−31 23 53.73	−19.904	− 43
435	[C Centauri]	5.5	11 31 53.849	+2.8975	+ 13	−47 10 52.43	−19.942	− 47
436	λ Centauri	3.3	11 31 56.738	+2.7526	− 58	−62 33 37.74	−19.913	− 17
437	υ Leonis	4.4	11 32 41.941	+3.0717	+ 1	− 0 21 55.60	−19.867	+ 36
438	[π Chamael.]	6.1	11 33 49.849	+2.4587	−278	−75 26 13.00	−19.920	− 5
439	[ο Hydrae]	4.8	11 36 5.249	+2.9747	− 30	−34 17 4.41	−19.936	+ 1
440	3 Draconis	5.4	11 37 51.348	+3.3716	− 78	+67 12 15.89	−19.912	+ 40

Nr.	Name	Gr.	AR. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
			h m s	s		° ' "	"	
441	χ Ursae maj.	3.8	11 41 40.409	+3.1788	−133	+48 14 22.70	−19.962	+ 20
442	[λ Muscae]	3.7	11 41 40.882	+2.8147	−152	−66 16 6.92	−19.961	+ 20
443	[Centauri 65 G.]	4.2	11 42 29.515	+2.8882	− 25	−60 43 1.03	−20.022	− 35
444	β Leonis	2.1	11 44 49.644	+3.0623	−341	+15 2 9.90	−20.119	−118
445	β Virginis	3.5	11 46 22.311	+3.1252	+494	+ 2 13 56.89	−20.286	−276
446	[B Centauri]	4.8	11 46 59.316	+2.9865	−111	−44 42 42.49	−20.059	− 46
447	γ Ursae maj.	2.3	11 49 28.302	+3.1683	+108	+54 9 22.34	−20.022	+ 2
448	[ε Chamael.]	5.0	11 55 29.068	+2.9351	−161	−77 45 34.64	−20.050	− 9
449	[Centauri 88 G.]	5.5	11 59 21.263	+3.0959	+267	−41 58 9.55	−20.168	−122
450	ο Virginis	4.1	12 0 58.906	+3.0570	−147	+ 9 11 37.98	−20.007	+ 38
451	[Gr. 1852]	6.0	12 1 3.034	+3.0892	+439	+77 22 11.50	−20.142	− 96
452	δ Centauri	2.7	12 4 3.016	+3.0967	− 44	−50 15 36.56	−20.060	− 18
453	ε Corvi	3.0	12 5 51.194	+3.0815	− 51	−22 9 29.41	−20.028	+ 11
454	4 H. Draconis	5.0	12 8 19.608	+2.8451	+ 23	+78 4 38.72	−20.009	+ 23
455	[δ Crucis]	3.0	12 10 43.768	+3.1688	− 50	−58 17 14.47	−20.050	− 27
456	δ Ursae maj.	3.4	12 11 19.511	+2.9826	+136	+57 29 37.23	−20.018	+ 3
457	[γ Corvi]	2.4	12 11 32.117	+3.0821	−112	−17 4 52.17	−20.003	+ 17
458	[2 Can. ven.]	5.9	12 11 58.268	+3.0143	+ 26	+41 7 19.40	−20.063	− 45
459	β Chamael.	4.4	12 13 27.010	+3.4562	−142	−78 51 5.10	−19.999	+ 12
460	η Virginis	3.7	12 15 39.537	+3.0688	− 42	− 0 12 20.30	−20.022	− 23
461	[6 Can. ven.]	5.3	12 21 45.802	+2.9616	− 67	+39 28 44.39	−19.992	− 36
462	α Crucis md.	1.0	12 21 58.560	+3.3155	− 44	−62 38 22.52	−19.985	− 31
463	[Hydr. 323 G.]	5.7	12 22 28.969	+3.1542	− 14	−32 22 12.67	−19.998	− 49
464	[σ Centauri]	4.1	12 23 32.668	+3.2311	− 36	−49 46 15.97	−19.973	− 33
466	20 Comae	6.0	12 25 33.174	+3.0171	+ 26	+21 21 20.01	−19.960	− 39
465	δ Corvi	2.8	12 25 34.045	+3.1010	−145	−16 3 12.50	−20.063	−142
467	[74 Ursae maj.]	5.6	12 26 5.048	+2.8118	− 96	+58 51 44.19	−19.828	+ 88
468	[γ Crucis]	1.6	12 26 33.166	+3.3099	+ 26	−56 38 55.07	−20.189	−278
469	[γ Muscae]	3.9	12 27 29.630	+3.5473	− 81	−71 40 28.97	−19.923	− 22
470	8 Can. ven.	4.3	12 29 48.284	+2.8551	−625	+41 48 29.78	−19.596	+280
472	κ Draconis	3.6	12 29 56.876	+2.5761	−117	+70 14 44.13	−19.867	+ 7
471	β Corvi	2.6	12 30 1.416	+3.1461	− 4	−22 56 16.47	−19.933	− 59
473	24 Comae seq.	5.1	12 30 58.067	+3.0114	+ 2	+18 50 1.76	−19.844	+ 18
474	α Muscae	2.8	12 32 13.226	+3.5469	− 55	−68 40 42.47	−19.880	− 32
475	[χ Virginis]	4.9	12 34 57.662	+3.0946	− 49	− 7 32 20.49	−19.850	− 37
476	γ Centauri	2.3	12 36 55.887	+3.2946	−205	−48 30 14.90	−19.805	− 19
477	[γ Virgin. m.]	3.5,3.5	12 37 27.218	+3.0389	−375	− 0 59 39.89	−19.773	+ 5
478	76 Ursae maj.	6.2	12 37 56.697	+2.6327	− 45	+63 10 6.92	−19.788	− 17
479	[Hydr. 330 G.]	5.9	12 39 34.859	+3.1915	− 26	−27 52 7.35	−19.797	− 50
480	[β Muscae]	3.2	12 41 10.571	+3.6483	− 53	−67 39 14.32	−19.754	− 31

Nr.	Name	Gr.	AR. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
481	β Crucis	1.4	12h 42m 51s.654	+3s.4841	− 59	−59° 14′ 6″.82	−19″.723	− 27
482	ν Centauri	4.4	12 48 49.996	+3.3120	+ 45	−39 43 40.13	−19.630	− 37
483	ε Ursae maj.	1.7	12 50 22.931	+2.6475	+137	+56 24 36.42	−19.574	− 11
484	δ Virginis	3.4	12 51 25.314	+3.0211	−315	+ 3 50 53.48	−19.606	− 63
485	12 Can. ven. sq.	2.8	12 52 8.869	+2.8107	−199	+38 45 58.92	−19.479	+ 50
486	8 Draconis	5.2	12 52 10.554	+2.3972	− 15	+65 53 18.74	−19.562	− 34
487	[δ Muscae]	3.6	12 56 32.372	+4.0788	+528	−71 6 5.44	−19.475	− 36
488	ε Virginis	2.8	12 58 2.715	+2.9866	−185	+11 24 17.97	−19.388	+ 18
489	[ξ² Centauri]	4.3	13 2 3.410	+3.4871	− 35	−49 27 43.48	−19.345	− 30
490	ϑ Virginis	4.3	13 5 39.048	+3.1039	− 24	− 5 5 46.40	−19.268	− 39
491	[17 Can. ven.]	6.1	13 6 14.683	+2.7589	− 59	+38 56 22.80	−19.182	+ 32
492	43 Comae	4.2	13 8 0.095	+2.8021	−602	+28 17 54.86	−18.291	+879
493	[η Muscae]	5.0	13 9 36.526	+4.0321	− 33	−67 27 18.54	−19.158	− 30
494	[20 Can. ven.]	4.6	13 13 49.396	+2.6940	−107	+41 0 33.00	−19.006	+ 8
495	γ Hydrae	3.1	13 14 24.360	+3.2564	+ 51	−22 44 2.61	−19.052	− 53
496	ι Centauri	2.9	13 15 55.503	+3.3623	−293	−36 16 29.54	−19.048	− 92
497	ζ Urs. maj. pr.	2.2	13 20 35.193	+2.4208	+144	+55 21 30.64	−18.844	− 25
498	α Virginis	1.1	13 20 49.083	+3.1573	− 28	−10 43 42.51	−18.845	− 33
499	Gr. 2001	6.2	13 24 0.970	+1.5266	+ 35	+72 49 20.11	−18.728	− 15
500	69 H. Urs. maj.	5.5	13 25 24.459	+2.2061	−110	+60 22 27.11	−18.632	+ 37
501	ζ Virginis	3.3	13 30 27.753	+3.0551	−190	− 0 10 19.19	−18.469	+ 35
502	17 H. Can. ven.	4.9	13 31 5.530	+2.6806	+ 64	+37 36 26.08	−18.496	− 14
503	[Chamael. 49 G.]	6.4	13 32 3.824	+5.0539	− 49	−75 15 39.56	−18.463	− 14
504	ε Centauri	2.4	13 34 37.126	+3.7816	− 37	−53 2 41.73	−18.395	− 34
505	[Gr. 2029]	5.9	13 35 11.242	+1.4370	− 86	+71 39 51.94	−18.341	0
506	[i Centauri]	4.3	13 40 57.946	+3.4004	−371	−32 37 28.09	−18.288	−156
507	τ Bootis	4.5	13 43 19.075	+2.8509	−340	+17 52 11.78	−18.014	+ 29
509	η Ursae maj.	1.8	13 44 16.333	+2.3676	−119	+49 43 37.60	−18.026	− 20
508	[μ Centauri]	3.3	13 44 36.566	+3.6013	− 28	−42 3 38.12	−18.013	− 19
510	89 Virginis	5.2	13 45 21.523	+3.2552	− 69	−17 43 16.16	−18.003	− 38
511	[i Draconis]	4.8	13 49 0.487	+1.7524	0	+65 7 58.93	−17.823	− 2
512	ζ Centauri	2.6	13 50 21.194	+3.7265	− 70	−46 52 49.28	−17.827	− 60
513	η Bootis	2.8	13 50 43.965	+2.8570	− 42	+18 48 47.87	−18.115	−364
514	[Cent. 294 G.]	4.9	13 51 37.681	+4.3107	− 46	−63 16 49.16	−17.749	− 35
515	[47 Hydrae]	5.5	13 53 51.480	+3.3604	− 34	−24 34 3.55	−17.663	− 40
517	11 Bootis	6.3	13 57 24.717	+2.7218	− 57	+27 47 13.11	−17.464	+ 8
516	τ Virginis	4.2	13 57 25.273	+3.0517	+ 13	+ 1 56 44.24	−17.501	− 30
518	β Centauri	1	13 57 57.221	+4.2079	− 28	−59 58 23.87	−17.489	− 40
519	[π Hydrae]	3.4	14 1 38.420	+3.4097	+ 30	−26 16 59.27	−17.441	−153
520	ϑ Centauri	2.1	14 1 47.497	+3.5201	−439	−35 57 44.07	−17.811	−530

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521	α Draconis	3.4	14h 2m 8s.475	+1s.6233	− 83	+64° 46′ 20″.17	−17″.249	+ 16
522	d Bootis	4.9	14 6 36.855	+2.7372	− 12	+25 29 3.57	−17.133	− 69
523	κ Virginis	4.2	14 8 27.942	+3.1969	+ 4	− 9 53 16.62	−16.844	+ 134
524	4 Ursae min.	5.0	14 9 8.992	−0.2791	− 113	+77 56 15.17	−16.914	+ 32
525	ι Virginis	4.0	14 11 39.580	+3.1426	− 14	− 5 36 18.19	−17.259	− 431
526	α Bootis	1	14 11 52.507	+2.7358	− 777	+19 36 50.43	−18.817	−2000
528	[ι Bootis]	4.6	14 13 13.640	+2.1259	− 159	+51 44 58.74	−16.667	+ 86
527	λ Bootis	4.0	14 13 13.772	+2.2825	− 177	+46 28 8.20	−16.601	+ 152
529	[υ Centauri]	4.4	14 14 30.918	+4.1654	− 47	−56 0 17.92	−16.730	− 39
530	[Circini 10 G.]	5.9	14 18 12.068	+4.9275	− 41	−67 49 7.71	−16.546	− 36
531	ϑ Bootis	3.9	14 22 22.304	+2.0430	− 257	+52 14 2.17	−16.705	− 404
532	[52 Hydrae]	5.1	14 23 18.429	+3.5055	− 28	−29 7 9.47	−16.283	− 30
533	[φ Virginis]	5.0	14 23 55.452	+3.0891	− 90	− 1 51 23.47	−16.228	− 7
534	ρ Bootis	3.7	14 28 15.196	+2.5862	− 75	+30 44 6.66	−15.883	+ 113
535	γ Bootis	2.9	14 28 44.186	+2.4169	− 93	+38 40 14.76	−15.826	+ 145
536	[Gr. 2125]	6.4	14 29 27.587	+1.6280	− 59	+60 35 27.66	−15.913	+ 19
537	η Centauri	2.5	14 30 13.791	+3.7972	− 36	−41 47 38.25	−15.927	− 36
538	α Centauri[1])	1	14 33 57.042	+4.0550	−4873	−60 29 36.88	−14.977	+ 714
540	[33 Bootis]	5.5	14 35 44.909	+2.2330	− 68	+44 45 44.20	−15.618	− 26
539	[α Circini]	3.3	14 35 46.862	+4.8109	− 320	−64 36 52.34	−15.829	− 238
541	[α Lupi]	2.4	14 36 24.101	+3.9755	− 20	−47 1 57.98	−15.592	− 36
543	ζ Bootis m.	3.6	14 37 11.078	+2.8640	+ 37	+14 5 1.19	−15.540	− 27
542	α Apodis	3.8	14 37 29.086	+7.3071	− 57	−78 41 38.02	−15.531	− 35
544	[c¹ Centauri]	4.1	14 38 34.497	+3.6595	− 61	−34 49 1.49	−15.633	− 198
545	μ Virginis	3.9	14 38 41.031	+3.1586	+ 69	− 5 17 53.09	−15.756	− 327
546	[b Lupi]	5.9	14 41 12.400	+4.1779	− 24	−52 1 59.03	−15.380	− 92
547	109 Virginis	3.7	14 42 3.076	+3.0312	− 75	+ 2 14 30.80	−15.279	− 39
548	α Librae	2.7	14 46 17.010	+3.3141	− 77	−15 41 51.41	−15.070	− 74
549	Gr. 2164	5.8	14 49 19.875	+1.5198	− 170	+59 37 51.01	−14.689	+ 130
550	β Ursae min.	2.0	14 50 55.964	−0.2040	− 78	+74 29 40.99	−14.717	+ 7
551	P. XIV, 221	6.0	14 52 18.130	+2.8308	− 10	+14 46 51.46	−14.660	− 18
552	β Lupi	2.7	14 53 5.264	+3.9158	− 51	−42 48 1.86	−14.656	− 60
553	[κ Centauri]	3.2	14 53 45.306	+3.8913	− 21	−41 46 19.07	−14.589	− 33
554	[2 H. Urs. min.]	4.8	14 56 15.486	+0.9444	− 147	+66 15 46.31	−14.370	+ 34
555	β Bootis	3.3	14 58 49.173	+2.2600	− 36	+40 43 2.22	−14.290	− 43
556	γ Scorpii	3.4	14 59 12.479	+3.5052	− 57	−24 57 23.87	−14.279	− 55
557	ψ Bootis	4.5	15 0 53.335	+2.5706	− 131	+27 16 14.13	−14.134	− 15
558	ζ Lupi	3.4	15 6 18.748	+4.2921	− 133	−51 47 3.24	−13.851	− 73
559	[ι Librae]	4.6	15 7 29.194	+3.4145	− 32	−19 28 42.45	−13.751	− 47
561	[β Circini]	4.2	15 11 0.254	+4.6734	− 130	−58 29 32.06	−13.627	− 149

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562	[3 Serpentis]	5.5	15h 11m 3s.732	+2s.9805	− 12	+ 5° 14′ 48″.07	−13″.481	− 7
560	γ Triang. austr.	2.9	15 11 8.490	+5.5591	−101	−68 22 26.87	−13.506	− 37
563	δ Bootis	3.2	15 12 9.393	+2.4191	+ 73	+33 37 25.68	−13.524	− 122
564	β Librae	2.5	15 12 32.296	+3.2252	− 64	− 9 4 38.95	−13.405	− 27
565	1 H. Urs. min.	5.3	15 13 40.822	+0.6785	+386	+67 39 42.11	−13.699	− 396
566	φ^1 Lupi	3.5	15 16 32.029	+3.7976	− 82	−35 57 40.24	−13.210	− 95
569	γ Ursae min.	3.0	15 20 50.965	−0.1155	− 32	+72 7 45.59	−12.812	+ 16
568	μ Bootis	4.1	15 21 21.272	+2.2661	−123	+37 40 3.42	−12.713	+ 81
570	[τ^1 Serpentis]	5.5	15 21 56.371	+2.7814	− 11	+15 43 8.64	−12.778	− 24
567	[$\varkappa^1$ Apodis]	5.9	15 22 26.340	+6.4732	+ 5	−73 6 11.17	−12.758	− 37
571	ι Draconis	3.2	15 23 4.877	+1.3318	− 5	+59 15 23.21	−12.663	+ 14
572	β Coron. bor.	3.7	15 24 24.409	+2.4737	−131	+29 23 28.00	−12.511	+ 76
573	ν^1 Bootis	4.8	15 27 56.859	+2.1547	+ 10	+41 6 55.36	−12.358	− 13
574	[ε Triang. austr.]	4.3	15 29 6.411	+5.4541	+ 29	−66 2 21.19	−12.347	− 82
576	[ϑ Coron. bor.]	4.1	15 29 34.934	+2.4186	− 17	+31 38 18.58	−12.258	− 26
575	γ Lupi	2.9	15 29 36.184	+3.9869	− 26	−40 53 19.45	−12.270	− 39
577	γ Librae	4.1	15 30 52.833	+3.3523	+ 43	−14 30 48.74	−12.139	+ 3
578	α Coron. bor.	2.2	15 31 10.396	+2.5398	+ 93	+26 59 35.82	−12.220	− 98
579	[3 H. Scorpii]	3.9	15 31 58.870	+3.6356	− 11	−27 51 40.02	−12.076	− 11
580	[φ Bootis]	5.3	15 34 50.743	+2.1545	+ 58	+40 37 22.87	−11.812	+ 52
581	[γ Coron. bor.]	3.8	15 39 15.420	+2.5193	− 74	+26 33 28.02	−11.517	+ 34
582	α Serpentis	2.5	15 40 10.707	+2.9534	+ 91	+ 6 41 9.38	−11.443	+ 42
583	β Serpentis	3.4	15 42 21.378	+2.7682	+ 51	+15 40 50.69	−11.383	− 54
584	ϰ Serpentis	4.0	15 45 0.186	+2.6999	− 31	+18 23 49.44	−11.234	− 98
585	μ Serpentis	3.3	15 45 17.204	+3.1284	− 59	− 3 10 37.58	−11.147	− 32
587	[12 H. Dracon.]	5.3	15 45 23.849	+0.9085	+ 55	+62 51 20.77	−11.169	− 61
586	[χ Lupi]	4.1	15 45 40.774	+3.8046	− 15	−33 22 30.76	−11.118	− 30
588	ε Serpentis	3.5	15 46 40.633	+2.9887	+ 84	+ 4 43 36.14	−10.955	+ 59
590	ζ Ursae min.	4.3	15 46 59.568	−2.2020	+ 60	+78 3 1.50	−10.992	− 1
589	β Triang. austr.	2.9	15 47 49.012	+5.2600	−279	−63 10 32.72	−11.338	− 407
591	[γ Serpentis]	3.7	15 52 37.098	+2.7698	+212	+15 55 53.87	−11.871	−1295
592	[π Scorpii]	4.1	15 53 49.603	+3.6236	− 15	−25 52 34.44	−10.524	− 37
593	ε Coron. bor.	4.0	15 54 9.026	+2.4828	− 61	+27 7 2.82	−10.531	− 68
594	δ Scorpii	2.3	15 55 25.349	+3.5430	− 8	−22 23 11.53	−10.404	− 36
595	[Gr. 2296]	5.1	15 55 49.131	+1.4198	−187	+54 59 1.83	−10.227	+ 111
598	ϑ Draconis	3.8	16 0 19.916	+1.1209	−402	+58 47 11.76	− 9.658	+ 340
597	β Scorpii	2.6	16 0 36.465	+3.4842	− 7	−19 34 45.38	−10.004	− 27
596	[δ Normae]	4.8	16 0 37.130	+4.2292	− 5	−44 56 57.32	− 9.970	+ 6
599	[ϑ Lupi]	4.4	16 1 8.198	+3.9310	− 29	−36 34 38.53	− 9.977	− 41
601	[φ Herculis]	4.0	16 6 9.231	+1.8893	− 23	+45 9 6.79	− 9.522	+ 31

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600	[κ Normae]	5.3	16ʰ 6ᵐ 55ˢ.352	+4ˢ.7135	− 42	−54° 25′ 2″.04	−9″.559	− 65
602	[δ Triang. austr.]	4.0	16 7 52.300	+5.4367	+ 7	−63 28 29.85	−9.447	− 26
603	δ Ophiuchi	2.8	16 9 59.659	+3.1417	− 30	− 3 28 53.65	−9.406	−150
606	19 Ursae min.	5.8	16 13 10.317	−1.7470	− 4	+76 5 13.33	−8.997	+ 12
604	γ² Normae	4.2	16 13 37.315	+4.4754	−190	−49 57 11.01	−9.035	− 61
605	ε Ophiuchi	3.2	16 13 55.666	+3.1719	+ 53	− 4 29 28.20	−8.919	+ 31
607	[σ Scorpii]	3.1	16 16 8.410	+3.6419	− 11	−25 23 41.01	−8.810	− 33
608	τ Herculis	3.6	16 17 14.704	+1.8023	− 9	+46 30 37.55	−8.657	+ 32
609	γ Herculis	3.5	16 18 15.460	+2.6453	− 36	+19 20 50.02	−8.569	+ 40
610	[ζ Triang. austr.]	5.2	16 19 31.294	+6.4155	+366	−69 53 56.37	−8.427	+ 83
612	[η Ursae min.]	5.1	16 19 54.772	−1.7867	−216	+75 56 49.66	−8.222	+256
611	γ Apodis	3.9	16 20 40.677	+9.1110	−385	−78 42 46.91	−8.488	− 71
613	[ω Herculis]	4.7	16 21 35.066	+2.7675	+ 28	+14 13 24.29	−8.414	− 68
614	[Gr. 2343]	5.8	16 22 36.337	+1.3102	+ 20	+55 23 36.26	−8.246	+ 18
615	η Draconis	2.7	16 22 51.817	+0.8074	− 28	+61 42 6.62	−8.183	+ 61
616	α Scorpii	1.2	16 24 18.915	+3.6744	− 7	−26 14 55.99	−8.157	− 28
618	β Herculis	2.6	16 26 39.070	+2.5782	− 69	+21 40 10.66	−7.961	− 21
617	[λ Ophiuchi]	3.7	16 26 43.549	+3.0240	− 23	+ 2 9 52.35	−8.025	− 90
619	A Draconis	5.0	16 28 8.306	−0.1291	− 51	+68 56 51.90	−7.786	+ 35
620	[τ Scorpii]	2.9	16 30 42.733	+3.7301	− 11	−28 2 41.73	−7.647	− 33
621	σ Herculis	4.1	16 31 25.607	+1.9335	− 6	+42 36 27.27	−7.517	+ 38
622	ζ Ophiuchi	2.6	16 32 35.201	+3.3012	+ 9	−10 23 59.91	−7.439	+ 22
623	[Gr. 2373]	6.5	16 34 11.549	−2.6220	−317	+77 36 44.79	−7.056	+275
624	[24 Scorpii]	5.2	16 36 46.218	+3.4667	− 18	−17 34 57.07	−7.123	− 2
625	α Triang. austr.	1.9	16 39 51.752	+6.3257	+ 32	−68 52 37.48	−6.916	− 49
626	η Herculis	3.3	16 40 3.003	+2.0562	+ 34	+39 4 46.14	−6.936	− 84
627	Gr. 2377	4.9	16 43 43.261	+1.1358	+ 29	+56 55 47.08	−6.491	+ 58
628	ε Scorpii	2.3	16 44 47.018	+3.8805	−501	−34 8 36.99	−6.716	−254
629	49 Herculis	6.5	16 48 18.080	+2.7305	+ 12	+15 6 45.26	−6.176	− 6
630	ζ² Scorpii	3.8	16 48 44.265	+4.2137	−134	−42 13 13.13	−6.371	−238
631	ζ Arae	3.0	16 51 44.743	+4.9538	− 30	−55 51 37.50	−5.930	− 48
632	[ε¹ Arae]	4.0	16 52 57.727	+4.7710	− 19	−53 2 3.41	−5.788	− 8
633	κ Ophiuchi	3.2	16 53 44.319	+2.8384	−198	+ 9 30 11.31	−5.728	− 13
634	ε Herculis	3.6	16 57 6.809	+2.2948	− 35	+31 2 52.32	−5.408	+ 24
635	[60 Herculis]	4.9	17 1 31.709	+2.7810	+ 34	+12 51 13.98	−5.074	− 15
636	[Gr. 2415]	6.4	17 5 4.250	+1.9561	− 29	+40 37 26.11	−4.787	− 28
637	η Ophiuchi	2.4	17 5 36.976	+3.4382	+ 23	−15 37 23.51	−4.622	+ 90
638	[η Scorpii]	3.4	17 6 12.318	+4.2919	+ 17	−43 7 51.55	−4.960	−298
639	ζ Draconis	3.0	17 8 32.607	+0.1686	− 29	+65 49 0.42	−4.441	+ 22
640	α Herculis	(3.0)	17 10 51.725	+2.7345	− 8	+14 29 2.45	−4.236	+ 29

Nr.	Name	Gr.	AR. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0^s.0001	Dekl. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
641	δ Herculis	3.0	17 11 37.311	+2.4636	− 15	+24 56 10.61	−4.359	−159
643	π Herculis	3.1	17 12 9.341	+2.0889	− 21	+36 54 7.19	−4.153	+ 1
642	[ι Apodis]	5.7	17 12 49.835	+6.6728	− 14	−70 2 15.84	−4.123	− 27
644	ϑ Ophiuchi	3.2	17 16 54.612	+3.6819	− 7	−24 55 3.99	−3.771	− 25
645	β Arae	2.7	17 18 23.788	+4.9803	− 14	−55 27 10.32	−3.661	− 42
646	[*d* Ophiuchi]	4.5	17 22 3.126	+3.8279	+ 6	−29 47 34.86	−3.449	−145
647	[27 H. Ophiuchi]	4.5	17 22 13.599	+3.1825	− 58	− 5 0 51.31	−3.340	− 51
648	δ Arae	3.6	17 23 36.154	+5.4090	− 70	−60 36 57.62	−3.271	−101
650	[*x* Herculis]	6.0	17 24 32.207	+1.5894	+ 2	+48 19 44.50	−3.108	− 19
649	[υ Scorpii]	2.8	17 25 7.018	+4.0740	− 24	−37 13 50.83	−3.079	− 39
651	α Arae	2.8	17 25 25.358	+4.6329	− 39	−49 48 42.30	−3.106	− 94
652	λ Scorpii	1.7	17 27 58.195	+4.0701	− 14	−37 2 39.87	−2.824	− 32
653	β Draconis	2.7	17 28 33.399	+1.3545	− 15	+52 21 44.41	−2.732	+ 10
655	[ν¹ Draconis]	4.7	17 30 32.468	+1.1805	+176	+55 14 25.87	−2.519	+ 51
657	[ν² Draconis]	4.8	17 30 37.879	+1.1817	+182	+55 13 44.58	−2.510	+ 52
656	α Ophiuchi	2.1	17 31 4.852	+2.7838	+ 79	+12 37 10.18	−2.756	−233
654	ϑ Scorpii	1.9	17 31 21.124	+4.3068	0	−42 56 46.74	−2.517	− 18
659	[*f* Draconis]	5.2	17 32 17.605	−0.2453	− 32	+68 11 16.70	−2.283	+134
658	ξ Serpentis	3.5	17 32 49.965	+3.4334	− 34	−15 20 50.55	−2.435	− 64
660	[κ Scorpii]	2.5	17 36 44.625	+4.1474	− 15	−38 59 18.00	−2.057	− 26
663	ι Herculis	3.6	17 37 7.275	+1.6928	− 5	+46 2 59.34	−2.001	− 4
664	ω Draconis	4.9	17 37 26.101	−0.3541	+ 13	+68 47 47.17	−1.647	+323
662	[μ Arae]	5.6	17 37 33.118	+4.7593	− 29	−51 47 28.30	−2.168	−208
661	η Pavonis	3.5	17 37 34.956	+5.8822	− 22	−64 41 8.15	−2.014	− 56
665	β Ophiuchi	2.8	17 39 22.299	+2.9628	− 27	+ 4 36 3.43	−1.649	+153
666	[ι¹ Scorpii]	3.0	17 41 46.643	+4.1932	− 10	−40 5 45.40	−1.595	− 3
667	μ Herculis	3.3	17 43 12.546	+2.3468	−241	+27 46 6.36	−2.218	−750
670	ψ Drac. austr.	4.7	17 43 24.666	−1.0734	+ 29	+72 11 23.69	−1.717	−267
668	[γ Ophiuchi]	3.7	17 43 43.819	+3.0074	− 16	+ 2 44 15.04	−1.499	− 77
669	[*G* Scorpii]	3.1	17 44 12.435	+4.0821	+ 42	−37 1 4.81	−1.354	+ 26
671	ξ Draconis	3.6	17 52 5.601	+1.0371	+120	+56 53 7.08	−0.615	+ 76
675	35 Draconis	5.1	17 53 9.749	−2.6899	+116	+76 58 28.64	−0.357	+241
672	ϑ Herculis	3.8	17 53 24.368	+2.0569	+ 4	+37 15 38.92	−0.572	+ 5
673	ν Ophiuchi	3.4	17 54 27.392	+3.3019	− 7	− 9 45 51.86	−0.602	−118
674	[ξ Herculis]	3.7	17 54 32.351	+2.3309	+ 66	+29 15 21.44	−0.503	− 26
676	γ Draconis	2.3	17 54 40.702	+1.3923	− 9	+51 29 53.32	−0.488	− 22
677	67 Ophiuchi	4.0	17 56 29.261	+3.0042	0	+ 2 56 4.51	−0.320	− 13
678	[Apodis 66 G.]	6.0	17 59 38.781	+8.3863	− 48	−75 53 43.71	−0.300	−270
679	γ Sagittarii	3.0	18 0 28.513	+3.8528	− 48	−30 25 34.55	−0.153	−194
680	72 Ophiuchi	3.6	18 3 24.857	+2.8437	− 42	+ 9 33 3.99	+0.377	+ 78

Nr.	Name	Gr.	AR. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
681	o Herculis	3.8	$18^h\ 4^m\ 18^s.269$	$+2^s.3398$	+ 2	$+28^\circ\ 45'\ 0''.80$	$+0''.376$	0
682	μ Sagittarii	3.9	18 8 47.954	+3.5872	− 3	−21 4 54.05	+0.766	− 3
683	[η Sagittarii]	3.1	18 12 0.610	+4.0588	− 118	−36 47 15.79	+0.887	−163
684	[Gr. 2533]	5.6	18 13 3.842	+1.8653	− 6	+42 7 49.19	+1.135	− 7
685	[36 Draconis]	5.0	18 13 25.133	+0.3454	+ 533	+64 22 8.39	+1.202	+ 29
686	[ξ Pavonis]	4.2	18 15 34.635	+5.5290	− 26	−61 31 58.30	+1.378	+ 17
687	[δ Sagittarii]	2.7	18 15 40.819	+3.8409	+ 27	−29 51 52.14	+1.338	− 32
688	η Serpentis	3.2	18 17 0.882	+3.1034	− 372	− 2 55 16.95	+0.789	−698
689	ε Sagittarii	1.9	18 18 39.766	+3.9825	− 30	−34 25 29.79	+1.503	−127
690	109 Herculis	3.9	18 20 9.645	+2.5560	+ 140	+21 43 51.74	+1.504	−257
691	α Telescopii	3.7	18 20 49.156	+4.4494	− 21	−46 0 55.03	+1.771	− 47
693	[φ Draconis]	4.3	18 21 56.948	−0.8577	− 17	+71 17 37.91	+1.950	+ 33
695	χ Draconis	3.6	18 22 33.270	−1.0798	+1166	+72 41 49.70	+1.605	−365
694	*b* Draconis	5.1	18 22 41.922	+0.8765	− 45	+58 45 8.18	+2.041	+ 58
692	[λ Sagittarii]	2.8	18 22 50.890	+3.7023	− 37	−25 28 7.18	+1.808	−188
696	[2 H. Scuti]	4.8	18 24 28.002	+3.4190	− 3	−14 37 10.88	+2.138	+ 2
697	[ϑ Coron. austr.]	4.7	18 27 34.546	+4.2844	+ 14	−42 22 24.52	+2.382	− 24
698	ζ Pavonis	4.0	18 33 20.591	+7.0222	− 25	−71 30 4.57	+2.729	−178
700	[Gr. 2655]	6.1	18 33 45.969	−2.8827	− 10	+77 28 59.30	+2.940	− 3
699	α Lyrae	1	18 34 7.682	+2.0313	+ 176	+38 42 20.51	+3.255	+281
701	[Gr. 2640]	6.2	18 35 57.679	+0.1896	+ 19	+65 24 51.53	+3.217	+ 84
702	[5 H. Scuti]	5.1	18 39 0.046	+3.2674	+ 13	− 8 21 29.42	+3.404	+ 9
703	110 Herculis	4.1	18 42 5.359	+2.5811	− 12	+20 27 57.61	+3.320	−340
704	λ Pavonis	4.3	18 44 31.784	+5.5659	− 26	−62 17 3.10	+3.843	− 27
705	β Lyrae	(3.3)	18 47 0.923	+2.2147	+ 3	+33 15 56.23	+4.082	− 2
707	o Draconis	4.6	18 49 58.660	+0.8870	+ 105	+59 17 11.64	+4.361	+ 24
706	σ Sagittarii	2.1	18 50 7.155	+3.7207	+ 4	−26 24 3.45	+4.286	− 63
708	λ Telescopii	5.1	18 51 49.503	+4.8043	+ 3	−53 2 54.03	+4.509	+ 14
709	ϑ Serpent. pr.	4.5	18 52 5.602	+2.9823	+ 29	+ 4 5 40.55	+4.545	+ 28
710	[ξ Sagittarii]	3.6	18 52 46.734	+3.5795	+ 18	−21 13 0.57	+4.559	− 16
711	*R* Lyrae	(4.5)	18 52 48.586	+1.8262	+ 28	+43 50 9.91	+4.654	+ 76
714	[υ Draconis]	5.0	18 55 25.159	−0.7253	+ 104	+71 11 11.24	+4.840	+ 40
713	γ Lyrae	3.2	18 55 50.303	+2.2437	− 4	+32 34 29.83	+4.834	− 2
712	[ε Aquilae]	4.0	18 55 51.297	+2.7220	− 42	+14 57 16.77	+4.757	− 80
715	[ζ Sagittarii]	2.7	18 57 19.895	+3.8181	− 21	−29 59 59.25	+4.964	+ 2
716	ζ Aquilae	3.0	19 1 35.700	+2.7569	− 7	+13 44 20.96	+5.222	−101
717	λ Aquilae	3.2	19 1 50.667	+3.1839	− 16	− 5 0 28.67	+5.257	− 87
718	α Coron. austr.	4.1	19 3 49.594	+4.0837	+ 59	−38 2 5.77	+5.401	−109
719	[ι Lyrae]	5.2	19 4 20.386	+2.1405	− 3	+35 58 9.55	+5.550	− 3
720	π Sagittarii	2.9	19 4 49.710	+3.5688	− 5	−21 9 23.81	+5.560	− 35

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721	[Pavonis 60 G.]	5.7	19h 8m 51s.790	+6s.0510	− 7	−66° 48′ 20″.99	+ 5″.912	− 21
723	δ Draconis	3.0	19 12 32.379	+0.0210	+ 167	+67 30 55.78	+ 6.327	+ 88
722	[*d* Sagittarii]	5.2	19 12 46.781	+3.5111	− 12	−19 6 5.69	+ 6.250	− 9
724	ϑ Lyrae	4.3	19 13 29.203	+2.0816	− 7	+37 59 6.68	+ 6.317	− 1
725	ω Aquilae	5.4	19 13 55.231	+2.8158	− 3	+11 26 41.43	+ 6.367	+ 13
726	ϰ Cygni	3.8	19 15 11.118	+1.3876	+ 69	+53 12 53.32	+ 6.578	+ 119
727	[υ Sagittarii]	4.5	19 16 58.490	+3.4372	0	−16 6 42.24	+ 6.605	− 2
729	τ Draconis	4.5	19 17 9.430	−1.1380	− 324	+73 12 6.38	+ 6.732	+ 110
728	α Sagittarii	4.0	19 18 8.253	+4.1605	+ 18	−40 46 23.37	+ 6.584	− 118
730	δ Aquilae	3.3	19 21 18.820	+3.0249	+ 168	+ 2 56 54.09	+ 7.045	+ 81
731	[Sagittar. 186 G.]	5.8	19 21 41.849	+3.7938	+ 7	−29 54 30.16	+ 6.948	− 47
734	[Gr. 2900]	6.4	19 26 44.490	−3.5773	+ 95	+79 26 14.94	+ 7.372	− 35
732	β Cygni	3.0	19 27 22.424	+2.4189	− 2	+27 47 4.43	+ 7.451	− 8
733	ι Cygni	3.9	19 27 36.829	+1.5132	+ 22	+51 33 8.59	+ 7.603	+ 125
735	[ι Telescopii]	5.1	19 29 3.665	+4.4556	− 41	−48 16 45.14	+ 7.555	− 40
736	*h* Sagittarii	4.6	19 31 39.472	+3.6530	+ 46	−25 4 4.11	+ 7.783	− 22
737	[ϰ Aquilae]	5.0	19 32 25.629	+3.2285	+ 3	− 7 12 46.47	+ 7.867	0
738	ϑ Cygni	4.5	19 34 12.934	+1.6084	− 29	+50 1 41.77	+ 8.257	+ 247
739	[ν Telescopii]	5.5	19 41 14.845	+4.9108	+ 86	−56 33 47.55	+ 8.434	− 137
740	[15 Cygni]	5.2	19 41 16.975	+2.1632	+ 59	+37 9 11.50	+ 8.609	+ 35
741	γ Aquilae	2.7	19 42 18.822	+2.8521	+ 9	+10 24 36.61	+ 8.654	0
742	δ Cygni	2.8	19 42 22.865	+1.8756	+ 51	+44 55 39.09	+ 8.699	+ 39
743	δ Sagittae	3.8	19 43 41.204	+2.6749	+ 4	+18 19 43.33	+ 8.776	+ 13
744	[51 Aquilae]	5.8	19 46 12.866	+3.3024	− 21	−10 58 29.76	+ 9.002	+ 41
745	α Aquilae	1	19 46 44.017	+2.9270	+ 360	+ 8 38 53.76	+ 9.384	+ 383
746	[η Aquilae]	(4.0)	19 48 14.724	+3.0568	+ 6	+ 0 47 30.17	+ 9.111	− 9
747	ε Draconis	3.8	19 48 27.664	−0.1898	+ 156	+70 3 23.46	+ 9.166	+ 29
748	ε Pavonis	3.8	19 51 0.816	+6.9874	+ 146	−73 7 52.15	+ 9.202	− 132
749	β Aquilae	3.7	19 51 14.175	+2.9467	+ 25	+ 6 11 54.98	+ 8.872	− 480
750	ψ Cygni	5.0	19 53 29.061	+1.5515	− 43	+52 13 5.13	+ 9.494	− 31
751	ϑ¹ Sagittarii	4.3	19 54 20.169	+3.9086	− 12	−35 30 6.31	+ 9.555	− 36
752	γ Sagittae	3.6	19 55 3.938	+2.6675	+ 43	+19 15 57.32	+ 9.671	+ 24
753	[*c* Sagittarii]	4.6	19 57 33.400	+3.6924	+ 21	−27 56 29.55	+ 9.855	+ 18
754	δ Pavonis	3.5	20 0 35.757	+5.9130	+1960	−66 23 42.40	+ 8.904	−1164
755	[ξ Telescopii]	5.2	20 1 1.864	+4.6068	− 44	−53 7 10.34	+10.099	− 2
756	ϑ Aquilae	3.1	20 7 1.376	+3.0960	+ 22	− 1 4 6.68	+10.555	+ 5
757	o¹ Cygni sq.	4.3	20 11 1.080	+1.8892	+ 4	+46 29 20.38	+10.846	+ 1
758	[33 Cygni]	4.3	20 11 28.156	+1.3962	+ 74	+56 18 48.30	+10.964	+ 85
759	ϰ Cephei	4.3	20 11 42.459	−1.9699	+ 12	+77 27 43.25	+10.923	+ 27
760	24 Vulpeculae	5.7	20 13 13.983	+2.5669	+ 12	+24 24 52.80	+10.989	− 19

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761	α^2 Capricorni	3.6	20 13 27.054	+3.3303	+ 40	−12 48 10.49	+11.035	+ 11
762	[β Capricorni]	3.1	20 16 20.963	+3.3724	+ 23	−15 2 39.63	+11.240	+ 6
763	[$\varkappa^1$ Sagittarii]	5.8	20 16 49.665	+4.0825	+ 37	−42 18 43.76	+11.173	− 96
764	α Pavonis	1.9	20 19 5.402	+4.7642	+ 11	−57 0 7.26	+11.347	− 85
765	γ Cygni	2.3	20 19 14.940	+2.1527	+ 4	+39 59 25.42	+11.444	0
766	[ρ Capricorni]	5.0	20 24 7.690	+3.4243	− 14	−18 5 19.92	+11.776	− 16
767	ϑ Cephei	4.1	20 28 11.487	+1.0111	+ 62	+62 42 53.33	+12.063	− 14
768	ε Delphini	3.9	20 29 14.864	+2.8662	+ 5	+11 1 13.32	+12.126	− 25
769	α Jndi	3.0	20 31 44.036	+4.2296	+ 33	−47 34 54.72	+12.383	+ 60
770	73 Draconis	5.3	20 32 37.102	−0.7592	+ 15	+74 40 13.33	+12.372	− 12
771	β Delphini	3.5	20 33 39.412	+2.8131	+ 74	+14 18 20.30	+12.419	− 36
772	[ϰ Delphini]	5.1	20 35 5.892	+2.9140	+ 212	+ 9 47 35.13	+12.572	+ 18
773	υ Capricorni	5.5	20 35 19.617	+3.4178	− 17	−18 25 54.19	+12.553	− 16
774	α Delphini	3.7	20 35 46.975	+2.7866	+ 45	+15 37 6.49	+12.594	− 6
775	β Pavonis	3.3	20 37 29.715	+5.4417	− 71	−66 30 9.43	+12.718	+ 2
776	[η Jndi]	4.8	20 37 57.039	+4.4188	+ 157	−52 13 6.59	+12.674	− 73
777	α Cygni	1.3	20 38 36.116	+2.0447	+ 4	+44 58 59.35	+12.790	− 1
778	[δ Delphini]	4.2	20 39 35.040	+2.8008	− 14	+14 46 33.75	+12.809	− 48
779	[ψ Capricorni]	4.2	20 41 11.037	+3.5560	− 44	−25 34 12.18	+12.807	− 157
780	ε Cygni	2.4	20 42 51.145	+2.4271	+ 290	+33 39 31.42	+13.402	+ 327
781	ε Aquarii	3.6	20 43 11.052	+3.2491	+ 17	− 9 48 1.23	+13.069	− 28
782	[6 H. Cephei]	4.5	20 43 17.547	+1.4899	− 87	+57 16 53.23	+12.870	− 234
783	η Cephei	3.5	20 43 36.228	+1.2244	+ 133	+61 30 57.77	+13.943	+ 818
784	λ Cygni	4.6	20 44 10.491	+2.3359	+ 5	+36 11 6.51	+13.162	0
785	β Jndi	3.6	20 48 19.909	+4.7083	0	−58 46 5.54	+13.408	− 27
786	32 Vulpeculae	5.3	20 51 1.325	+2.5562	− 4	+27 44 28.72	+13.610	+ 1
788	ν Cygni	3.9	20 54 4.686	+2.2357	+ 9	+40 50 49.10	+13.786	− 17
787	[α Octantis]	5.5	20 54 42.353	+7.3742	− 18	−77 20 29.66	+13.488	− 355
789	[11 Aquarii]	6.4	20 56 11.655	+3.1599	+ 23	− 5 3 5.81	+13.804	− 133
790	ζ Microscopii	5.4	20 57 39.966	+3.8408	− 36	−38 57 23.17	+13.908	− 122
792	[ξ Cygni]	3.9	21 1 54.680	+2.1816	+ 12	+43 35 45.99	+14.289	− 3
791	[A Capricorni]	4.6	21 2 16.526	+3.5127	− 30	−25 20 18.35	+14.268	− 47
793	61 Cygni pr.	5.4	21 3 10.517	+2.6862	+3505	+38 20 26.27	+17.622	+3252
794	ν Aquarii	4.4	21 5 4.488	+3.2703	+ 62	−11 42 30.42	+14.475	− 9
795	Br. 2777	6.0	21 7 11.020	−1.1478	+ 74	+77 47 24.23	+14.648	+ 36
797	ζ Cygni	3.1	21 9 24.175	+2.5522	− 1	+29 53 9.07	+14.685	− 58
798	[Gr. 3415]	5.8	21 9 41.492	+1.5282	− 6	+59 38 41.47	+14.759	− 2
796	[Jndi 23 G.]	5.9	21 9 50.482	+4.2966	− 19	−53 36 27.58	+14.724	− 46
799	[τ Cygni]	3.8	21 11 28.618	+2.3937	+ 137	+37 41 26.03	+15.301	+ 435
800	α Equulei	3.9	21 11 40.521	+2.9996	+ 38	+ 4 54 14.38	+14.790	− 87

Nr.	Name	Gr.	AR. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001
801	[4 Pisc. austr.]	4.8	21h 12m 54s.513	+3s.6437	+ 35	−32° 31′ 12″.37	+14″.923	− 26
802	[ϑ¹ Microscop.]	4.9	21 15 27.445	+3.8482	+ 70	−41 9 39.48	+15.111	+ 14
803	α Cephei	2.5	21 16 35.966	+1.4337	+ 212	+62 14 0.83	+15.212	+ 49
804	1 Pegasi	4.2	21 18 14.851	+2.7739	+ 74	+19 26 55.41	+15.318	+ 61
805	γ Pavonis	4.2	21 19 35.799	+4.9960	+ 132	−65 44 33.81	+16.121	+ 788
806	ζ Capricorni	3.8	21 21 55.873	+3.4295	− 1	−22 46 17.62	+15.487	+ 23
807	[g Cygni]	5.4	21 26 23.127	+2.2126	+ 49	+46 10 26.67	+15.812	+ 103
808	β Aquarii	2.9	21 27 11.438	+3.1597	+ 11	− 5 56 12.97	+15.748	− 5
809	β Cephei	3.1	21 27 35.701	+0.7847	+ 20	+70 11 46.25	+15.781	+ 7
810	ν Octantis	3.7	21 32 17.646	+6.7866	+ 131	−77 45 34.92	+15.768	− 256
811	74 Cygni	5.1	21 33 37.244	+2.4029	− 3	+40 2 24.50	+16.106	+ 12
812	[γ Capricorni]	3.6	21 35 29.682	+3.3272	+ 131	−17 2 16.04	+16.175	− 16
813	[13 H. Cephei]	6.1	21 36 23.103	+1.8614	+ 7	+57 6 47.97	+16.239	+ 2
814	[ι Pisc.austr.]	4.4	21 40 0.381	+3.5799	+ 18	−33 24 18.25	+16.331	− 89
815	ε Pegasi	2.3	21 40 6.563	+2.9464	+ 18	+ 9 29 37.87	+16.425	0
817	[11 Cephei]	4.8	21 40 42.643	+0.8887	+ 234	+70 55 44.62	+16.554	+ 98
816	[κ Pegasi]	4.1	21 40 53.135	+2.7154	+ 25	+25 15 46.70	+16.474	+ 10
818	[λ Capricorni]	5.5	21 42 4.149	+3.2320	+ 20	−11 44 57.39	+16.520	− 4
819	δ Capricorni	2.8	21 42 27.702	+3.3141	+ 178	−16 30 16.30	+16.249	− 294
821	π² Cygni	4.3	21 43 43.528	+2.2146	+ 8	+48 55 30.02	+16.601	− 4
820	[ο Jndi]	5.6	21 43 47.106	+5.1218	− 87	−70 0 59.49	+16.587	− 21
822	γ Gruis	3.0	21 48 54.422	+3.6405	+ 77	−37 45 21.04	+16.836	− 18
823	16 Pegasi	5.2	21 49 17.072	+2.7284	+ 4	+25 32 2.80	+16.874	+ 1
824	[δ Jndi]	4.6	21 52 16.651	+4.1010	+ 43	−55 23 16.86	+16.983	− 29
825	[ε Jndi]	4.9	21 57 1.273	+4.6109	+4811	−57 7 39.98	+14.646	−2583
826	[20 Pegasi]	5.8	21 57 2.706	+2.9220	+ 36	+12 43 18.40	+17.175	− 54
827	α Aquarii	2.9	22 1 31.290	+3.0819	+ 10	− 0 43 24.92	+17.419	− 7
828	ι Aquarii	4.2	22 1 57.383	+3.2425	+ 24	−14 16 22.22	+17.393	− 51
830	20 Cephei	5.7	22 2 29.085	+1.8218	+ 22	+62 22 49.38	+17.528	+ 60
829	α Gruis	1.8	22 3 0.502	+3.7937	+ 119	−47 21 49.23	+17.319	− 171
831	[ι Pegasi]	3.9	22 3 8.749	+2.7912	+ 219	+24 56 21.13	+17.518	+ 22
832	[μ Pisc.austr.]	4.6	22 3 32.615	+3.5054	+ 41	−33 23 38.72	+17.472	− 41
833	[27 Pegasi]	5.8	22 5 32.890	+2.6565	− 42	+32 45 59.07	+17.532	− 65
834	ϑ Pegasi	3.6	22 6 0.788	+3.0264	+ 184	+ 5 47 20.44	+17.648	+ 31
835	π Pegasi	4.3	22 6 17.968	+2.6623	− 9	+32 46 13.76	+17.610	− 19
836	ζ Cephei	3.4	22 7 58.339	+2.0779	+ 14	+57 47 30.27	+17.704	+ 6
837	24 Cephei	4.8	22 8 12.899	+1.1583	+ 54	+71 55 55.78	+17.716	+ 8
838	[λ Pisc.austr.]	5.4	22 9 36.697	+3.4059	+ 16	−28 10 43.78	+17.764	− 1
839	[ε Octantis]	5.3	22 10 47.315	+6.8936	+ 137	−80 51 13.33	+17.772	− 40
840	ϑ Aquarii	4.2	22 12 27.313	+3.1673	+ 76	− 8 11 49.35	+17.860	− 19

Nr.	Name	Gr.	AR. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
			h m s	s		° ′ ″	″	
841	α Tucanae	2.8	22 12 49.620	+4.1351	− 98	−60 40 26.03	+17.844	− 49
842	γ Aquarii	3.7	22 17 22.190	+3.0992	+ 83	− 1 48 21.88	+18.076	+ 7
843	[31 Pegasi]	4.9	22 17 25.907	+2.9519	− 1	+11 47 11.60	+18.080	+ 9
844	3 Lacertae	4.5	22 20 17.594	+2.3551	− 15	+51 48 46.05	+17.988	−191
845	[ν Gruis]	5.6	22 23 47.565	+3.5249	+ 24	−39 33 7.88	+18.144	−162
846	[δ¹ Gruis]	4.0	22 24 18.826	+3.5962	+ 17	−43 55 12.34	+18.315	− 8
847	[δ Cephei]	(4.1)	22 26 5.167	+2.2226	+ 17	+57 59 24.06	+18.388	+ 2
848	7 Lacertae	3.8	22 27 52.145	+2.4674	+ 147	+49 51 19.44	+18.464	+ 16
849	[υ Aquarii]	5.5	22 30 9.378	+3.2855	+ 155	−21 8 1.67	+18.381	−144
850	η Aquarii	3.9	22 31 5.510	+3.0833	+ 59	− 0 32 44.64	+18.501	− 55
851	[31 Cephei]	5.2	22 33 43.102	+1.4823	+ 382	+73 12 43.55	+18.664	+ 23
852	10 Lacertae	4.9	22 35 32.069	+2.6885	+ 4	+38 37 4.49	+18.693	− 6
853	[30 Cephei]	5.3	22 35 42.215	+2.1234	+ 1	+63 9 9.83	+18.683	− 22
854	[ε Pisc.austr.]	4.0	22 36 4.053	+3.3227	+ 12	−27 28 36.64	+18.719	+ 2
855	ζ Pegasi	3.3	22 37 19.316	+2.9914	+ 53	+10 23 51.66	+18.743	− 13
856	β Gruis	2.0	22 37 42.962	+3.5936	+ 117	−47 19 9.08	+18.742	− 25
857	η Pegasi	2.9	22 39 6.561	+2.8095	+ 12	+29 47 12.19	+18.777	− 33
858	[13 Lacertae]	5.4	22 40 23.202	+2.6712	− 6	+41 22 59.95	+18.853	+ 5
859	λ Pegasi	3.9	22 42 31.891	+2.8874	+ 41	+23 7 42.62	+18.901	− 10
860	ε Gruis	3.5	22 43 32.825	+3.6374	+ 96	−51 45 13.41	+18.867	− 73
861	[τ Aquarii]	4.0	22 45 11.936	+3.1785	− 12	−14 1 51.62	+18.954	− 33
862	[μ Pegasi]	3.6	22 45 59.730	+2.8933	+ 109	+24 9 46.76	+18.969	− 41
863	ι Cephei	3.5	22 46 43.277	+2.1281	− 114	+65 45 49.06	+18.907	−123
864	λ Aquarii	3.8	22 48 17.121	+3.1311	+ 5	− 8 1 17.74	+19.110	+ 38
865	ρ Jndi	6.3	22 48 54.129	+4.2157	− 101	−70 31 2.83	+19.151	+ 62
866	δ Aquarii	3.2	22 50 14.815	+3.1861	− 33	−16 15 45.07	+19.105	− 19
867	α Pisc. austr.	1.2	22 53 4.014	+3.3201	+ 247	−30 3 44.59	+19.038	−159
868	[ζ Gruis]	4.0	22 55 59.189	+3.5571	− 80	−53 11 58.38	+19.253	− 16
869	ο Androm.	3.5	22 58 5.937	+2.7554	+ 25	+41 52 46.43	+19.306	− 13
870	β Pegasi	2.4	22 59 44.900	+2.9054	+ 145	+27 37 56.22	+19.494	+138
871	α Pegasi	2.4	23 0 37.505	+2.9866	+ 41	+14 45 30.19	+19.336	− 41
872	ϑ Gruis	4.2	23 2 12.462	+3.3891	− 52	−43 58 8.61	+19.374	− 38
873	c² Aquarii	3.7	23 5 1.382	+3.2017	+ 32	−21 37 23.42	+19.508	+ 36
874	π Cephei	4.5	23 5 15.223	+1.9005	+ 29	+74 56 19.17	+19.451	− 25
875	Br. 3077	5.8	23 9 16.818	+2.8787	+2528	+56 42 35.50	+19.852	+295
876	[Tucanae 25 G.]	5.9	23 11 58.785	+3.6287	+ 231	−62 27 14.53	+19.554	− 53
877	γ Tucanae	3.9	23 12 35.547	+3.5179	− 59	−58 41 27.50	+19.700	+ 82
878	[γ Piscium]	3.7	23 12 51.732	+3.1095	+ 503	+ 2 49 42.64	+19.641	+ 18
879	γ Sculptoris	4.4	23 14 20.711	+3.2453	+ 10	−32 59 3.87	+19.582	− 68
880	τ Pegasi	4.5	23 16 31.599	+2.9663	+ 21	+23 17 8.75	+19.673	− 13

Nr.	Name	Gr.	AR. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0s.0001	Dekl. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0".001
882	4 Cassiopeiae	5.5	23h 21m 8s.650	+2s.6533	+ 17	+61° 49′ 37″.00	+19″.748	− 10
881	[υ Pegasi]	4.4	23 21 14.075	+2.9912	+138	+22 56 49.03	+19.795	+ 35
883	[o Gruis]	5.7	23 21 58.119	+3.3671	− 4	−53 10 52.57	+19.889	+119
884	ϰ Piscium	5.1	23 22 40.651	+3.0753	+ 56	+ 0 48 3.74	+19.687	− 93
885	70 Pegasi	4.7	23 24 57.338	+3.0321	+ 38	+12 18 8.75	+19.839	+ 28
886	[β Sculptoris]	4.4	23 28 31.423	+3.2236	+ 65	−38 16 39.00	+19.871	+ 14
887	[72 Pegasi]	5.2	23 29 49.938	+2.9718	+ 40	+30 52 1.52	+19.860	− 12
888	[Aquarii 248 G.]	6.7	23 31 15.210	+3.0954	− 5	− 7 55 26.08	+19.911	+ 23
889	[Phoenicis 11 G.]	4.6	23 33 23.124	+3.2374	+ 47	−45 57 7.20	+19.873	− 37
890	[λ Androm.]	3.8	23 33 29.797	+2.9285	+156	+46 0 29.88	+19.489	−423
891	ι Androm.	4.1	23 34 3.660	+2.9355	+ 27	+42 48 30.21	+19.912	− 5
892	ι Piscium	4.1	23 35 40.821	+3.0846	+247	+ 5 10 34.45	+19.493	−440
893	γ Cephei	3.3	23 35 55.785	+2.4393	−183	+77 10 8.69	+20.092	+157
894	ω² Aquarii	4.5	23 38 25.157	+3.1128	+ 65	−15 0 14.15	+19.894	− 63
895	41 H. Cephei	5.2	23 43 55.934	+2.8507	+ 23	+67 20 44.14	+19.997	+ 1
896	Lac. δ Sculpt.	4.4	23 44 36.279	+3.1286	+ 71	−28 35 21.77	+19.895	−105
897	[Aquarii 268 G.]	6.3	23 45 57.764	+3.0963	+ 86	−10 26 14.94	+20.094	+ 86
898	φ Pegasi	5.4	23 48 15.788	+3.0487	− 8	+18 39 33.25	+19.980	− 39
899	[ρ Cassiopeiae]	4.8	23 50 13.750	+2.9841	− 7	+57 2 15.34	+20.031	+ 4
900	[27 Piscium]	5.1	23 54 25.424	+3.0712	− 37	− 4 0 59.37	+19.971	− 68
901	[π Phoenicis]	5.2	23 54 37.914	+3.1174	+ 30	−53 12 34.79	+20.086	+ 46
902	ω Piscium	3.9	23 55 2.883	+3.0794	+100	+ 6 24 13.60	+19.931	−109
903	ε Tucanae	4.5	23 55 36.675	+3.1367	+ 64	−66 2 20.20	+20.009	− 33
904	[ϑ Octantis]	5.0	23 57 20.710	+3.1206	−220	−77 31 26.21	+19.873	−171
905	[2 Ceti]	4.5	23 59 29.329	+3.0748	+ 12	−17 47 52.88	+20.042	− 4

¹) Ort des Schwerpunktes. Die Reduktion auf den Hauptstern ist nach Auwers A. N. 3085 (vergl. Neuer Fundamental-Katalog, Seite 98):

1917.0: $\Delta\alpha = -0^s.232$ $\Delta\delta = -1''.07$
1918.0: $= -0.232$ $= -1.20$

²) Rektaszension der Mitte, Deklination des folgenden helleren Sterns.

³) Ort des Schwerpunkts. Die Reduktion auf den Ort des helleren Sterns beträgt nach Auwers A. N. 3929 (vergl. Neuer Fundamental-Katalog, Seite 98):

1917.0: $\Delta\alpha = -0^s.057$ $\Delta\delta = -0''.11$
1918.0: $= -0.056$ $= +0.02$

⁴) Schwerpunkt des Systems. Abstände vom Schwerpunkt nach See M. N. Dez. 1893 (vergl. Neuer Fundamental-Katalog, Seite 99):

heller Stern 1917.0: $\Delta\alpha = +0^s.647$ $\Delta\delta = +5''.98$
1918.0: $+0.634$ $+5.70$
Begleiter 1917.0: $\Delta\alpha = -0^s.760$ $\Delta\delta = -7''.03$
1918.0: -0.745 -6.70

	Name	Gr.	AR. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0ˢ.001	Dekl. 1917.0	Jährl. Veränderung	Jährl. Eigenbew. in 0″.001

Nördliche Polsterne

	Name	Gr.	AR. 1917.0	Jährl. Veränderung	Jährl. Eigenbew.	Dekl. 1917.0	Jährl. Veränderung	Jährl. Eigenbew.
Na	43 H. Cephei	4.3	0ʰ 57ᵐ 9ˢ.35	+ 7ˢ.652	+ 74	+85° 48′ 45″.15	+19″.424	− 1
Nb	α Ursae min.	2.0	1 30 13.14	+29.022	+144	+88 51 43.45	+18.514	+ 2
Nc	Gr. 750	6.8	4 10 2.62	+17.620	+ 16	+85 20 9.74	+ 9.285	+ 32
Nd	51 H. Cephei	5.2	7 2 4.44	+29.179	− 50	+87 10 54.46	− 5.399	− 36
Ne	1 H. Dracon.	4.3	9 25 21.69	+ 8.785	− 6	+81 41 41.54	−15.673	− 20
Nf	[30 H. Camel.]	5.2	10 21 4.72	+ 7.567	− 47	+82 58 54.73	−18.176	+ 31
Ng	ε Ursae min.	4.2	16 54 25.53	− 6.250	+ 7	+82 10 32.99	− 5.651	+ 6
Nh	δ Ursae min.	4.3	17 59 1.32	−19.499	+ 17	+86 36 51.40	− 0.029	+ 57
Ni	λ Ursae min.	6.8	19 2 40.02	−72.035	− 95	+89 1 2.29	+ 5.421	+ 8
Nk	76 Draconis	6.0	20 48 40.58	− 4.165	+ 16	+82 13 29.97	+13.484	+ 27

Südliche Polsterne

	Name	Gr.	AR. 1917.0	Jährl. Veränderung	Jährl. Eigenbew.	Dekl. 1917.0	Jährl. Veränderung	Jährl. Eigenbew.
Sa	Octantis 4 G.	6	1ʰ 42ᵐ 2ˢ.68	− 3ˢ.748	+ 18	−85° 11′ 21″.26	+18″.126	+ 35
Sb	[ξ Mensae]	6.0	5 8 16.38	− 6.937	− 4	−82 34 59.65	+ 4.500	+ 14
Sc	ζ Octantis	6–5	9 8 58.89	− 8.132	− 93	−85 19 57.27	−14.671	+ 48
Sd	ι Octantis	6–5	12 46 7.35	+ 5.979	+ 42	−84 40 22.44	−19.616	+ 25
Se	Octantis 20 G.	7	14 46 10.39	+26.108	−182	−87 48 50.24	−15.070	− 67
Sf	Octantis 26 G.	6–7	16 29 40.68	+21.735	+ 5	−86 12 58.07	− 7.699	− 2
Sg	χ Octantis	6	18 6 12.19	+35.733	− 93	−87 39 51.84	+ 0.415	−127
Sh	σ Octantis	6	19 27 42.77	+94.782	+113	−89 13 28.57	+ 7.484	− 1
Si	β Octantis	4.1	22 37 39.23	+ 6.314	− 26	−81 49 2.38	+18.768	+ 3
Sk	τ Octantis	6	23 16 9.01	+10.154	+ 21	−87 56 18.36	+19.695	+ 15

Von den Sternen, deren Namen eingeklammert sind, folgen keine Ephemeriden.

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	1) α Andromedae				2) β Cassiopeiae				3) ε Phoenicis				7) γ Pegasi			
	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.
1917	0h 4m		+28° 37′		0h 4m		+58° 41′		0h 5m		−46° 11′		0h 8m		+14° 43′	
Jan. 0.2	6.323	133	71.03	91	44.734	301	54.27	73	13.001	199	88.77	38	58.372	111	30.00	81
10.2	6.190	126	70.12	116	44.433	288	53.54	124	12.802	183	88.39	84	58.261	106	29.19	93
20.2	6.064	114	68.96	138	44.145	264	52.30	170	12.619	161	87.55	128	58.155	96	28.26	100
30.1	5.950	96	67.58	152	43.881	227	50.60	210	12.458	135	86.27	169	58.059	81	27.26	102
Feb. 9.1	5.854	71	66.06	160	43.654	179	48.50	241	12.323	101	84.58	205	57.978	60	26.24	101
19.1	5.783	40	64.46	162	43.475	118	46.09	261	12.222	65	82.53	237	57.918	34	25.23	92
März 1.1	5.743	4	62.84	154	43.357	50	43.48	270	12.157	22	80.16	263	57.884	2	24.31	80
11.0	5.739	39	61.30	140	43.307	26	40.78	268	12.135	24	77.53	286	57.882	34	23.51	61
21.0	5.778	83	59.90	118	43.333	105	38.10	255	12.159	73	74.67	301	57.916	74	22.90	38
31.0	5.861	129	58.72	90	43.438	184	35.55	231	12.232	124	71.66	311	57.990	116	22.52	11
Apr. 10.0	5.990	176	57.82	57	43.622	261	33.24	197	12.356	176	68.55	315	58.106	158	22.41	19
19.9	6.166	220	57.25	20	43.883	331	31.27	157	12.532	226	65.40	312	58.264	198	22.60	51
29.9	6.386	260	57.05	18	44.214	394	29.70	111	12.758	273	62.28	302	58.462	235	23.11	82
Mai 9.9	6.646	294	57.23	58	44.608	445	28.59	60	13.031	316	59.26	286	58.697	268	23.93	113
19.8	6.940	321	57.81	97	45.053	485	27.99	7	13.347	351	56.40	263	58.965	295	25.06	141
29.8	7.261	339	58.78	132	45.538	510	27.92	46	13.698	378	53.77	235	59.260	313	26.47	165
Juni 8.8	7.600	349	60.10	164	46.048	523	28.38	98	14.076	397	51.42	199	59.573	324	28.12	187
18.8	7.949	349	61.74	193	46.571	520	29.36	146	14.473	404	49.43	161	59.897	326	29.99	202
28.7	8.298	341	63.67	216	47.091	506	30.82	192	14.877	401	47.82	116	60.223	320	32.01	212
Juli 8.7	8.639	325	65.83	234	47.597	478	32.74	232	15.278	388	46.66	70	60.543	307	34.13	217
18.7	8.964	301	68.17	246	48.075	440	35.06	266	15.666	363	45.96	23	60.850	285	36.30	217
28.7	9.265	270	70.63	251	48.515	394	37.72	295	16.029	329	45.73	26	61.135	257	38.47	212
Aug. 7.6	9.535	235	73.14	253	48.909	339	40.67	317	16.358	287	45.99	72	61.392	226	40.59	202
17.6	9.770	196	75.67	248	49.248	281	43.84	332	16.645	238	46.71	115	61.618	189	42.61	188
27.6	9.966	155	78.15	239	49.529	218	47.16	341	16.883	184	47.86	154	61.807	152	44.49	171
Sept. 6.5	10.121	114	80.54	225	49.747	154	50.57	342	17.067	127	49.40	186	61.959	114	46.20	151
16.5	10.235	73	82.79	208	49.901	90	53.99	337	17.194	69	51.26	211	62.073	75	47.71	130
26.5	10.308	35	84.87	187	49.991	27	57.36	325	17.263	13	53.37	226	62.148	40	49.01	108
Okt. 6.5	10.343	0	86.74	164	50.018	31	60.61	306	17.276	39	55.63	233	62.188	8	50.09	85
16.4	10.343	32	88.38	138	49.987	87	63.67	280	17.237	87	57.96	229	62.196	22	50.94	61
26.4	10.311	59	89.76	110	49.900	139	66.47	249	17.150	128	60.25	216	62.174	46	51.55	40
Nov. 5.4	10.252	82	90.86	81	49.761	184	68.96	211	17.022	162	62.41	194	62.128	68	51.95	17
15.4	10.170	102	91.67	51	49.577	224	71.07	167	16.860	185	64.35	163	62.060	85	52.12	3
25.3	10.068	117	92.18	18	49.353	257	72.74	120	16.675	203	65.98	127	61.975	97	52.09	23
Dez. 5.3	9.951	128	92.36	14	49.096	282	73.94	67	16.472	212	67.25	85	61.878	108	51.86	43
15.3	9.823	134	92.22	45	48.814	298	74.61	13	16.260	214	68.10	40	61.770	113	51.43	60
25.2	9.689	137	91.77	75	48.516	305	74.74	41	16.046	209	68.50	8	61.657	115	50.83	75
35.2	9.552		91.02		48.211		74.33		15.837		68.42		61.542		50.08	
Mittl. Ort	5.628		55.96		44.370		31.11		12.078		79.80		57.576		19.54	
sec δ, tg δ	1.139		+0.546		1.924		+1.644		1.445		−1.043		1.034		+0.263	

Mittlere Zeit Greenw.	9) ι Ceti AR.		9) ι Ceti Dekl.		10) ζ Tucanae AR.		10) ζ Tucanae Dekl.		11) β Hydri AR.		11) β Hydri Dekl.		12) α Phoenicis AR.		12) α Phoenicis Dekl.	
1917	0h 15m		−9° 16′		0h 15m		−65° 21′		0h 21m		−77° 42′		0h 22m		−42° 44′	
Jan. 0.2	12.850 s	108	60.43″	52	46.28 s	40	57.88″	83	25.89 s	91	91.43″	105	12.032 s	188	92.68″	11
10.2	12.742	103	60.95	38	45.88	38	57.05	138	24.98	86	90.38	165	11.844	179	92.57	57
20.2	12.639	94	61.33	21	45.50	34	55.67	190	24.12	78	88.73	218	11.665	162	92.00	100
30.2	12.545	80	61.54	3	45.16	30	53.77	237	23.34	67	86.55	266	11.503	141	91.00	141
Feb. 9.1	12.465	60	61.57	17	44.86	23	51.40	278	22.67	56	83.89	306	11.362	113	89.59	178
19.1	12.405	36	61.40	38	44.63	17	48.62	311	22.11	42	80.83	338	11.249	80	87.81	212
März 1.1	12.369	7	61.02	61	44.46	10	45.51	337	21.69	29	77.45	363	11.169	42	85.69	242
11.0	12.362	26	60.41	84	44.36	3	42.14	356	21.40	13	73.82	379	11.127	1	83.27	267
21.0	12.388	63	59.57	108	44.33	6	38.58	367	21.27	3	70.03	385	11.128	47	80.60	285
31.0	12.451	103	58.49	131	44.39	14	34.91	370	21.30	18	66.18	385	11.175	97	77.75	299
Apr. 10.0	12.554	143	57.18	154	44.53	22	31.21	366	21.48	33	62.33	376	11.272	147	74.76	307
19.9	12.697	183	55.64	173	44.75	29	27.55	354	21.81	48	58.57	359	11.419	197	71.69	308
29.9	12.880	220	53.91	191	45.04	38	24.01	334	22.29	63	54.98	334	11.616	244	68.61	303
Mai 9.9	13.100	252	52.00	203	45.42	44	20.67	307	22.92	75	51.64	302	11.860	287	65.58	292
19.9	13.352	280	49.97	211	45.86	50	17.60	274	23.67	86	48.62	264	12.147	323	62.66	272
29.8	13.632	301	47.86	215	46.36	55	14.86	234	24.53	96	45.98	219	12.470	353	59.94	248
Juni 8.8	13.933	314	45.71	213	46.91	58	12.52	188	25.49	102	43.79	170	12.823	374	57.46	217
18.8	14.247	319	43.58	206	47.49	59	10.64	138	26.51	106	42.09	116	13.197	384	55.29	181
28.7	14.566	315	41.52	192	48.08	60	9.26	85	27.57	108	40.93	60	13.581	385	53.48	139
Juli 8.7	14.881	304	39.60	175	48.68	59	8.41	30	28.65	105	40.33	2	13.966	375	52.09	95
18.7	15.185	286	37.85	153	49.27	56	8.11	25	29.70	101	40.31	55	14.341	355	51.14	48
28.7	15.471	260	36.32	128	49.83	50	8.36	80	30.71	93	40.86	111	14.696	327	50.66	0
Aug. 7.6	15.731	229	35.04	100	50.33	45	9.16	132	31.64	82	41.97	163	15.023	289	50.66	46
17.6	15.960	194	34.04	70	50.78	38	10.48	178	32.46	69	43.60	209	15.312	246	51.12	92
27.6	16.154	156	33.34	40	51.16	29	12.26	218	33.15	53	45.69	249	15.558	196	52.04	132
Sept. 6.6	16.310	118	32.94	12	51.45	20	14.44	250	33.68	36	48.18	278	15.754	144	53.36	167
16.5	16.428	79	32.82	14	51.65	10	16.94	273	34.04	17	50.96	299	15.898	91	55.03	196
26.5	16.507	42	32.96	38	51.75	1	19.67	284	34.21	1	53.95	307	15.989	38	56.99	216
Okt. 6.5	16.549	9	33.34	58	51.76	9	22.51	285	34.20	21	57.02	304	16.027	12	59.15	226
16.4	16.558	22	33.92	73	51.67	17	25.36	274	33.99	38	60.06	288	16.015	57	61.41	227
26.4	16.536	47	34.65	84	51.50	25	28.10	251	33.61	54	62.94	261	15.958	97	63.68	220
Nov. 5.4	16.489	68	35.49	90	51.25	31	30.61	217	33.07	69	65.55	222	15.861	131	65.88	202
15.4	16.421	86	36.39	92	50.94	36	32.78	176	32.38	79	67.77	175	15.730	157	67.90	177
25.3	16.335	98	37.31	89	50.58	40	34.54	127	31.59	88	69.52	120	15.573	177	69.67	143
Dez. 5.3	16.237	107	38.20	83	50.18	43	35.81	72	30.71	94	70.72	60	15.396	190	71.10	105
15.3	16.130	111	39.03	75	49.75	43	36.53	14	29.77	95	71.32	2	15.206	196	72.15	64
25.3	16.019	113	39.78	62	49.32	42	36.67	45	28.82	94	71.30	65	15.010	195	72.79	18
35.2	15.906		40.40		48.90		36.22		27.88		70.65		14.815		72.97	
Mittl. Ort	11.945		62.49		45.23		45.52		24.64		77.99		11.009		84.60	
sec δ, tg δ	1.013		−0.163		2.399		−2.180		4.703		−4.595		1.362		−0.925	

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	13) 12 Ceti				17) ζ Cassiopeiae				18) π Andromedae				20) δ Andromedae			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$0^h\ 25^m$		$-4°\ 24'$		$0^h\ 32^m$		$+53°\ 26'$		$0^h\ 32^m$		$+33°\ 15'$		$0^h\ 34^m$		$+30°\ 24'$	
Jan. 0.2	49.136	108	53.19	62	21.113	250	47.39	47	27.506	148	62.21	69	54.047	139	41.24	70
10.2	49.028	105	53.81	51	20.863	249	46.92	96	27.358	147	61.52	99	53.908	141	40.54	96
20.2	48.923	98	54.32	39	20.614	237	45.96	141	27.211	141	60.53	126	53.767	134	39.58	121
30.2	48.825	86	54.71	25	20.377	213	44.55	179	27.070	126	59.27	147	53.633	120	38.37	139
Feb. 9.1	48.739	68	54.96	8	20.164	178	42.76	210	26.944	104	57.80	162	53.513	100	36.98	152
19.1	48.671	45	55.04	11	19.986	133	40.66	233	26.840	74	56.18	170	53.413	72	35.46	157
März 1.1	48.626	17	54.93	31	19.853	78	38.33	244	26.766	38	54.48	169	53.341	38	33.89	156
11.0	48.609	17	54.62	54	19.775	14	35.89	246	26.728	4	52.79	161	53.303	4	32.33	146
21.0	48.626	53	54.08	78	19.761	54	33.43	237	26.732	53	51.18	144	53.307	50	30.87	130
31.0	48.679	93	53.30	102	19.815	124	31.06	218	26.785	102	49.74	121	53.357	97	29.57	106
Apr. 10.0	48.772	134	52.28	126	19.939	194	28.88	190	26.887	152	48.53	92	53.454	147	28.51	77
19.9	48.906	173	51.02	149	20.133	262	26.98	155	27.039	202	47.61	57	53.601	195	27.74	43
29.9	49.079	212	49.53	168	20.395	321	25.43	112	27.241	247	47.04	19	53.796	238	27.31	7
Mai 9.9	49.291	246	47.85	185	20.716	374	24.31	67	27.488	286	46.85	19	54.034	278	27.24	31
19.9	49.537	274	46.00	199	21.090	417	23.64	18	27.774	319	47.04	59	54.312	310	27.55	68
29.8	49.811	296	44.01	206	21.507	446	23.46	30	28.093	343	47.63	98	54.622	335	28.23	105
Juni 8.8	50.107	310	41.95	209	21.953	466	23.76	79	28.436	359	48.61	133	54.957	350	29.28	139
18.8	50.417	317	39.86	206	22.419	472	24.55	126	28.795	364	49.94	166	55.307	356	30.67	168
28.7	50.734	315	37.80	199	22.891	466	25.81	168	29.159	361	51.60	194	55.663	354	32.35	194
Juli 8.7	51.049	305	35.81	186	23.357	450	27.49	207	29.520	349	53.54	216	56.017	342	34.29	215
18.7	51.354	288	33.95	169	23.807	422	29.56	240	29.869	328	55.70	235	56.359	323	36.44	229
28.7	51.642	264	32.26	147	24.229	387	31.96	268	30.197	302	58.05	246	56.682	297	38.73	240
Aug. 7.6	51.906	235	30.79	122	24.616	344	34.64	291	30.499	268	60.51	252	56.979	265	41.13	244
17.6	52.141	201	29.57	96	24.960	296	37.55	306	30.767	232	63.03	254	57.244	230	43.57	243
27.6	52.342	165	28.61	68	25.256	243	40.61	315	30.999	192	65.57	250	57.474	191	46.00	237
Sept. 6.6	52.507	127	27.93	41	25.499	189	43.76	318	31.191	151	68.07	241	57.665	151	48.37	227
16.5	52.634	90	27.52	14	25.688	135	46.94	315	31.342	110	70.48	229	57.816	112	50.64	213
26.5	52.724	54	27.38	9	25.823	80	50.09	305	31.452	71	72.77	211	57.928	73	52.77	196
Okt. 6.5	52.778	21	27.47	31	25.903	28	53.14	290	31.523	33	74.88	192	58.001	36	54.73	175
16.4	52.799	9	27.78	49	25.931	21	56.04	269	31.556	1	76.80	168	58.037	3	56.48	153
26.4	52.790	35	28.27	62	25.910	69	58.73	241	31.555	33	78.48	143	58.040	28	58.01	128
Nov. 5.4	52.755	57	28.89	71	25.841	112	61.14	209	31.522	61	79.91	114	58.012	55	59.29	100
15.4	52.698	75	29.60	77	25.729	151	63.23	170	31.461	87	81.05	83	57.957	79	60.29	71
25.3	52.623	90	30.37	80	25.578	184	64.93	128	31.374	107	81.88	50	57.878	100	61.00	41
Dez. 5.3	52.533	100	31.17	79	25.394	214	66.21	81	31.267	125	82.38	17	57.778	118	61.41	9
15.3	52.433	108	31.96	75	25.180	235	67.02	31	31.142	140	82.55	17	57.660	131	61.50	23
25.3	52.325	111	32.71	68	24.945	249	67.33	18	31.002	147	82.38	51	57.529	140	61.27	52
35.2	52.214		33.39		24.696		67.15		30.855		81.87		57.389		60.75	
Mittl. Ort	48.181		57.05		20.306		24.95		26.604		45.30		53.117		25.21	
sec δ, tg δ	1.003		−0.077		1.679		+1.348		1.196		+0.656		1.159		+0.587	

Mittlere Zeit Greenw.	21) α Cassiopeiae AR.	Diff.	21) α Cassiopeiae Dekl.	Diff.	22) β Ceti AR.	Diff.	22) β Ceti Dekl.	Diff.	25) o Cassiopeiae AR.	Diff.	25) o Cassiopeiae Dekl.	Diff.	24) 21 Cassiopeiae AR.	Diff.	24) 21 Cassiopeiae Dekl.	Diff.
1917	$0^h\ 35^m$		$+56°\ 4'$		$0^h\ 39^m$		$-18°\ 26'$		$0^h\ 40^m$		$+47°\ 49'$		$0^h\ 40^m$		$+74°\ 32'$	
Jan. 0.2	48.074	274	79.43	40	26.493	123	32.19	48	6.491	209	70.08	47	9.19	69	30.64	1
10.2	47.800	273	79.03	90	26.370	121	32.67	23	6.282	211	69.61	92	8.50	69	30.65	60
20.2	47.527	262	78.13	136	26.249	115	32.90	4	6.071	203	68.69	131	7.81	66	30.05	119
30.2	47.265	237	76.77	178	26.134	103	32.86	30	5.868	185	67.38	166	7.15	60	28.86	172
Feb. 9.1	47.028	200	74.99	212	26.031	86	32.56	57	5.683	157	65.72	194	6.55	52	27.14	219
19.1	46.828	151	72.87	236	25.945	64	31.99	84	5.526	118	63.78	214	6.03	40	24.95	256
März 1.1	46.677	92	70.51	250	25.881	35	31.15	111	5.408	72	61.64	223	5.63	28	22.39	282
11.1	46.585	24	68.01	254	25.846	2	30.04	136	5.336	17	59.41	224	5.35	13	19.57	295
21.0	46.561	48	65.47	247	25.844	35	28.68	160	5.319	42	57.17	215	5.22	3	16.62	297
31.0	46.609	123	63.00	230	25.879	76	27.08	183	5.361	106	55.02	195	5.25	18	13.65	288
Apr. 10.0	46.732	199	60.70	202	25.955	118	25.25	201	5.467	168	53.07	168	5.43	34	10.77	266
19.9	46.931	270	58.68	168	26.073	161	23.24	218	5.635	229	51.39	133	5.77	48	8.11	235
29.9	47.201	334	57.00	126	26.234	201	21.06	230	5.864	285	50.06	95	6.25	60	5.76	196
Mai 9.9	47.535	391	55.74	81	26.435	238	18.76	238	6.149	334	49.11	50	6.85	72	3.80	149
19.9	47.926	436	54.93	32	26.673	270	16.38	239	6.483	374	48.61	5	7.57	81	2.31	98
29.8	48.362	470	54.61	18	26.943	295	13.99	235	6.857	403	48.56	41	8.38	87	1.33	45
Juni 8.8	48.832	489	54.79	68	27.238	313	11.64	226	7.260	423	48.97	87	9.25	91	0.88	10
18.8	49.321	498	55.47	115	27.551	323	9.38	210	7.683	431	49.84	129	10.16	93	0.98	66
28.8	49.819	492	56.62	160	27.874	324	7.28	190	8.114	427	51.13	168	11.09	92	1.64	118
Juli 8.7	50.311	476	58.22	200	28.198	318	5.38	164	8.541	414	52.81	204	12.01	89	2.82	168
18.7	50.787	448	60.22	236	28.516	303	3.74	134	8.955	392	54.85	233	12.90	84	4.50	214
28.7	51.235	411	62.58	266	28.819	280	2.40	101	9.347	361	57.18	258	13.74	77	6.64	255
Aug. 7.6	51.646	367	65.24	290	29.099	253	1.39	66	9.708	323	59.76	277	14.51	69	9.19	290
17.6	52.013	316	68.14	308	29.352	219	0.73	31	10.031	281	62.53	289	15.20	60	12.09	320
27.6	52.329	261	71.22	319	29.571	182	0.42	5	10.312	234	65.42	296	15.80	49	15.29	342
Sept. 6.6	52.590	205	74.41	325	29.753	143	0.47	38	10.546	186	68.38	297	16.29	38	18.71	358
16.5	52.795	147	77.66	323	29.896	104	0.85	68	10.732	138	71.35	292	16.67	27	22.29	366
26.5	52.942	90	80.89	315	30.000	66	1.53	93	10.870	90	74.27	281	16.94	15	25.95	367
Okt. 6.5	53.032	33	84.04	301	30.066	29	2.46	113	10.960	43	77.08	266	17.09	2	29.62	361
16.5	53.065	21	87.05	280	30.095	5	3.59	128	11.003	2	79.74	244	17.11	9	33.23	345
26.4	53.044	71	89.85	254	30.090	33	4.87	135	11.001	42	82.18	218	17.02	21	36.68	323
Nov. 5.4	52.973	118	92.39	222	30.057	59	6.22	136	10.959	81	84.36	188	16.81	31	39.91	293
15.4	52.855	162	94.61	184	29.998	81	7.58	131	10.878	116	86.24	152	16.50	42	42.84	254
25.3	52.693	199	96.45	140	29.917	98	8.89	120	10.762	146	87.76	112	16.08	51	45.38	207
Dez. 5.3	52.494	231	97.85	93	29.819	110	10.09	106	10.616	173	88.88	70	15.57	59	47.45	156
15.3	52.263	256	98.78	42	29.709	120	11.15	87	10.443	193	89.58	25	14.98	65	49.01	98
25.3	52.007	271	99.20	9	29.589	125	12.02	64	10.250	207	89.83	21	14.33	68	49.99	38
35.2	51.736		99.11		29.464		12.66		10.043		89.62		13.65		50.37	
Mittl. Ort	47.239		56.37		25.431		31.33		5.565		48.96		8.47		4.41	
sec δ, tg δ	1.792		+1.487		1.054		−0.333		1.490		+1.104		3.750		+3.615	

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	27) ζ Andromedae				32) γ Cassiopeiae				33) μ Andromedae				35) α Sculptoris			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$0^h\ 42^m$		$+23°\ 48'$		$0^h\ 51^m$		$+60°\ 16'$		$0^h\ 52^m$		$+38°\ 2'$		$0^h\ 54^m$		$-29°\ 47'$	
1917	s		"		s		"		s		"		s		"	
Jan. 0.2	57.137	127	70.90	68	42.27	32	27.12	13	9.502	162	76.36	49	37.590	150	85.71	41
10.2	57.010	128	70.22	88	41.95	33	26.99	67	9.340	167	75.87	84	37.440	149	86.12	5
20.2	56.882	124	69.34	105	41.62	31	26.32	118	9.173	163	75.03	115	37.291	145	86.17	31
30.2	56.758	114	68.29	119	41.31	30	25.14	163	9.010	152	73.88	142	37.146	133	85.86	67
Feb. 9.1	56.644	96	67.10	125	41.01	25	23.51	202	8.858	131	72.46	163	37.013	116	85.19	102
19.1	56.548	72	65.85	127	40.76	20	21.49	232	8.727	103	70.83	177	36.897	92	84.17	136
März 1.1	56.476	40	64.58	122	40.56	14	19.17	253	8.624	65	69.06	183	36.805	64	82.81	167
11.1	56.436	3	63.36	111	40.42	6	16.64	262	8.559	21	67.23	180	36.741	28	81.14	195
21.0	56.433	40	62.25	93	40.36	2	14.02	260	8.538	29	65.43	168	36.713	12	79.19	220
31.0	56.473	85	61.32	70	40.38	10	11.42	248	8.567	83	63.75	150	36.725	55	76.99	241
Apr. 10.0	56.558	131	60.62	42	40.48	19	8.94	225	8.650	137	62.25	123	36.780	100	74.58	257
19.9	56.689	178	60.20	11	40.67	27	6.69	194	8.787	191	61.02	91	36.880	146	72.01	269
29.9	56.867	220	60.09	23	40.94	34	4.75	156	8.978	240	60.11	55	37.026	190	69.32	276
Mai 9.9	57.087	259	60.32	56	41.28	41	3.19	112	9.218	286	59.56	16	37.216	232	66.56	277
19.9	57.346	291	60.88	90	41.69	47	2.07	64	9.504	323	59.40	24	37.448	269	63.79	270
29.8	57.637	315	61.78	122	42.16	51	1.43	14	9.827	351	59.64	65	37.717	298	61.09	259
Juni 8.8	57.952	333	63.00	150	42.67	53	1.29	36	10.178	371	60.29	103	38.015	321	58.50	239
18.8	58.285	340	64.50	174	43.20	55	1.65	86	10.549	382	61.32	139	38.336	336	56.11	216
28.8	58.625	339	66.24	193	43.75	55	2.51	132	10.931	381	62.71	171	38.672	341	53.95	185
Juli 8.7	58.964	330	68.17	209	44.30	53	3.83	177	11.312	372	64.42	199	39.013	337	52.10	151
18.7	59.294	313	70.26	218	44.83	51	5.60	215	11.684	355	66.41	222	39.350	325	50.59	111
28.7	59.607	290	72.44	223	45.34	47	7.75	250	12.039	330	68.63	239	39.675	305	49.48	70
Aug. 7.7	59.897	261	74.67	221	45.81	43	10.25	278	12.369	299	71.02	251	39.980	278	48.78	27
17.6	60.158	227	76.88	216	46.24	37	13.03	301	12.668	263	73.53	258	40.258	244	48.51	16
27.6	60.385	191	79.04	207	46.61	32	16.04	318	12.931	223	76.11	259	40.502	206	48.67	57
Sept. 6.6	60.576	154	81.11	193	46.93	25	19.22	327	13.154	183	78.70	255	40.708	165	49.24	95
16.5	60.730	116	83.04	177	47.18	20	22.49	330	13.337	141	81.25	246	40.873	122	50.19	129
26.5	60.846	79	84.81	158	47.38	13	25.79	327	13.478	100	83.71	234	40.995	79	51.48	155
Okt. 6.5	60.925	45	86.39	138	47.51	6	29.06	318	13.578	60	86.05	217	41.074	38	53.03	176
16.5	60.970	13	87.77	116	47.57	1	32.24	301	13.638	22	88.22	196	41.112	0	54.79	187
26.4	60.983	16	88.93	92	47.58	6	35.25	278	13.660	13	90.18	172	41.112	35	56.66	192
Nov. 5.4	60.967	42	89.85	68	47.52	11	38.03	247	13.647	45	91.90	145	41.077	65	58.58	186
15.4	60.925	66	90.53	43	47.41	16	40.50	212	13.602	76	93.35	114	41.012	92	60.44	174
25.4	60.859	86	90.96	18	47.25	22	42.62	170	13.526	102	94.49	81	40.920	113	62.18	155
Dez. 5.3	60.773	103	91.14	7	47.03	25	44.32	122	13.424	126	95.30	45	40.807	131	63.73	130
15.3	60.670	117	91.07	32	46.78	29	45.54	72	13.298	144	95.75	9	40.676	143	65.03	99
25.3	60.553	126	90.75	56	46.49	31	46.26	19	13.154	159	95.84	28	40.533	151	66.02	66
35.2	60.427		90.19		46.18		46.45		12.995		95.56		40.382		66.68	
Mittl. Ort	56.130		56.99		41.21		3.12		8.437		57.90		36.415		81.39	
sec δ, tg δ	1.093		+0.441		2.016		+1.751		1.270		+0.783		1.152		−0.573	

Mittlere Zeit Greenw.	36) ε Piscium AR.		36) ε Piscium Dekl.		38) β Phoenicis AR.		38) β Phoenicis Dekl.		42) β Andromedae AR.		42) β Andromedae Dekl.		45) υ Piscium AR.		45) υ Piscium Dekl.	
1917	$0^h 58^m$		$+7° 26'$		$1^h 2^m$		$-47° 9'$		$1^h 5^m$		$+35° 10'$		$1^h 14^m$		$+26° 49'$	
Jan. 0.3	39.149	111	45.11	67	24.137	228	56.16	22	5.951	151	68.62	43	55.247	130	56.15	47
10.2	39.038	115	44.44	70	23.909	227	56.38	29	5.800	158	68.19	74	55.117	138	55.68	71
20.2	38.923	113	43.74	69	23.682	218	56.09	78	5.642	158	67.45	104	54.979	140	54.97	91
30.2	38.810	107	43.05	66	23.464	203	55.31	125	5.484	150	66.41	129	54.839	136	54.06	108
Feb. 9.2	38.703	94	42.39	59	23.261	179	54.06	169	5.334	133	65.12	148	54.703	123	52.98	120
19.1	38.609	73	41.80	50	23.082	149	52.37	208	5.201	108	63.64	161	54.580	102	51.78	127
März 1.1	38.536	48	41.30	35	22.933	112	50.29	244	5.093	74	62.03	166	54.478	72	50.51	127
11.1	38.488	15	40.95	17	22.821	69	47.85	273	5.019	33	60.37	164	54.406	37	49.24	121
21.0	38.473	22	40.78	3	22.752	19	45.12	297	4.986	15	58.73	154	54.369	6	48.03	109
31.0	38.495	63	40.81	27	22.733	34	42.15	316	5.001	66	57.19	136	54.375	52	46.94	91
Apr. 10.0	38.558	106	41.08	52	22.767	88	38.99	326	5.067	119	55.83	112	54.427	101	46.03	67
20.0	38.664	149	41.60	78	22.855	145	35.73	332	5.186	171	54.71	82	54.528	150	45.36	38
29.9	38.813	190	42.38	104	23.000	200	32.41	329	5.357	222	53.89	48	54.678	197	44.98	8
Mai 9.9	39.003	228	43.42	129	23.200	251	29.12	319	5.579	266	53.41	11	54.875	240	44.90	25
19.9	39.231	261	44.71	150	23.451	297	25.93	303	5.845	305	53.30	26	55.115	277	45.15	58
29.9	39.492	287	46.21	169	23.748	337	22.90	279	6.150	336	53.56	64	55.392	307	45.73	90
Juni 8.8	39.779	305	47.90	183	24.085	367	20.11	248	6.486	357	54.20	100	55.699	330	46.63	119
18.8	40.084	316	49.73	193	24.452	388	17.63	211	6.843	369	55.20	134	56.029	343	47.82	147
28.8	40.400	319	51.66	197	24.840	399	15.52	169	7.212	373	56.54	164	56.372	348	49.29	169
Juli 8.7	40.719	315	53.63	197	25.239	399	13.83	122	7.585	366	58.18	189	56.720	344	50.98	188
18.7	41.034	301	55.60	191	25.638	389	12.61	72	7.951	352	60.07	210	57.064	333	52.86	201
28.7	41.335	281	57.51	181	26.027	367	11.89	20	8.303	330	62.17	226	57.397	313	54.87	210
Aug. 7.7	41.616	257	59.32	166	26.394	337	11.69	32	8.633	301	64.43	236	57.710	289	56.97	213
17.6	41.873	227	60.98	149	26.731	297	12.01	82	8.934	268	66.79	241	57.999	259	59.10	212
27.6	42.100	194	62.47	128	27.028	251	12.83	130	9.202	232	69.20	242	58.258	226	61.22	207
Sept. 6.6	42.294	160	63.75	105	27.279	200	14.13	171	9.434	193	71.62	237	58.484	191	63.29	197
16.6	42.454	125	64.80	82	27.479	146	15.84	207	9.627	154	73.99	229	58.675	155	65.26	185
26.5	42.579	90	65.62	60	27.625	91	17.91	234	9.781	114	76.28	216	58.830	118	67.11	169
Okt. 6.5	42.669	58	66.22	37	27.716	35	20.25	251	9.895	76	78.44	200	58.948	84	68.80	152
16.5	42.727	27	66.59	17	27.751	17	22.76	258	9.971	40	80.44	180	59.032	50	70.32	132
26.4	42.754	1	66.76	2	27.734	66	25.34	255	10.011	5	82.24	158	59.082	19	71.64	112
Nov. 5.4	42.753	25	66.74	17	27.668	109	27.89	241	10.016	27	83.82	133	59.101	12	72.76	89
15.4	42.728	48	66.57	32	27.559	147	30.30	218	9.989	57	85.15	105	59.089	39	73.65	66
25.4	42.680	68	66.25	44	27.412	177	32.48	186	9.932	85	86.20	75	59.050	65	74.31	41
Dez. 5.3	42.612	85	65.81	54	27.235	202	34.34	146	9.847	108	86.95	43	58.985	88	74.72	16
15.3	42.527	99	65.27	62	27.033	218	35.80	103	9.739	130	87.38	9	58.897	108	74.88	9
25.3	42.428	109	64.65	67	26.815	229	36.83	54	9.609	147	87.47	24	58.789	124	74.79	34
35.3	42.319		63.98		26.586		37.37		9.462		87.23		58.665		74.45	
Mittl. Ort	38.017		36.83		22.838		47.38		4.773		51.03		54.001		41.22	
sec δ, tg δ	1.008		+0.131		1.471		−1.079		1.223		+0.705		1.121		+0.506	

Mittlere Zeit Greenw.	47) ϑ Ceti AR.		47) ϑ Ceti Dekl.		48) δ Cassiopeiae AR.		48) δ Cassiopeiae Dekl.		50) η Piscium AR.		50) η Piscium Dekl.		51) 40 Cassiopeiae AR.		51) 40 Cassiopeiae Dekl.	
	$1^h\ 19^m$		−8° 36′		$1^h\ 20^m$		+59° 48′		$1^h\ 27^m$		+14° 55′		$1^h\ 31^m$		+72° 37′	
1917																
Jan. 0.3	53.722	115	38.08	72	23.876	302	39.41	20	3.648	112	16.64	58	53.33	56	28.98	64
10.3	53.607	122	38.80	56	23.574	318	39.61	33	3.536	122	16.06	67	52.77	61	29.62	5
20.2	53.485	123	39.36	38	23.256	320	39.28	85	3.414	127	15.39	74	52.16	61	29.67	54
30.2	53.362	120	39.74	18	22.936	307	38.43	132	3.287	125	14.65	79	51.55	59	29.13	112
Feb. 9.2	53.242	109	39.92	3	22.629	279	37.11	174	3.162	115	13.86	80	50.96	54	28.01	163
19.1	53.133	92	39.89	25	22.350	236	35.37	208	3.047	99	13.06	77	50.42	47	26.38	208
März 1.1	53.041	69	39.64	48	22.114	180	33.29	234	2.948	75	12.29	70	49.95	37	24.30	245
11.1	52.972	39	39.16	72	21.934	110	30.95	249	2.873	43	11.59	58	49.58	26	21.85	269
21.1	52.933	4	38.44	97	21.824	33	28.46	254	2.830	5	11.01	42	49.32	13	19.16	283
31.0	52.929	36	37.47	120	21.791	51	25.92	248	2.825	37	10.59	21	49.19	2	16.33	286
Apr. 10.0	52.965	78	36.27	143	21.842	136	23.44	232	2.862	82	10.38	2	49.21	15	13.47	278
20.0	53.043	121	34.84	165	21.978	221	21.12	208	2.944	127	10.40	27	49.36	29	10.69	257
29.9	53.164	164	33.19	183	22.199	299	19.04	174	3.071	172	10.67	54	49.65	42	8.12	230
Mai 9.9	53.328	204	31.36	199	22.498	371	17.30	135	3.243	213	11.21	82	50.07	55	5.82	193
19.9	53.532	239	29.37	210	22.869	432	15.95	92	3.456	250	12.03	107	50.62	64	3.89	150
29.9	53.771	269	27.27	215	23.301	481	15.03	45	3.706	280	13.10	131	51.26	73	2.39	103
Juni 8.8	54.040	291	25.12	217	23.782	518	14.58	2	3.986	303	14.41	151	51.99	79	1.36	52
18.8	54.331	307	22.95	212	24.300	540	14.60	51	4.289	319	15.92	168	52.78	83	0.84	1
28.8	54.638	314	20.83	202	24.840	548	15.11	97	4.608	325	17.60	180	53.61	86	0.83	51
Juli 8.8	54.952	313	18.81	186	25.388	544	16.08	142	4.933	325	19.40	187	54.47	85	1.34	101
18.7	55.265	305	16.95	165	25.932	527	17.50	181	5.258	315	21.27	189	55.32	84	2.35	148
28.7	55.570	289	15.30	140	26.459	500	19.31	218	5.573	300	23.16	187	56.16	80	3.83	192
Aug. 7.7	55.859	268	13.90	113	26.959	462	21.49	248	5.873	279	25.03	180	56.96	75	5.75	233
17.6	56.127	241	12.77	81	27.421	418	23.97	274	6.152	252	26.83	169	57.71	68	8.08	267
27.6	56.368	210	11.96	50	27.839	366	26.71	294	6.404	223	28.52	155	58.39	61	10.75	296
Sept. 6.6	56.578	177	11.46	18	28.205	311	29.65	307	6.627	190	30.07	138	59.00	52	13.71	320
16.6	56.755	141	11.28	12	28.516	252	32.72	315	6.817	157	31.45	118	59.52	42	16.91	336
26.5	56.896	108	11.40	40	28.768	191	35.87	317	6.974	124	32.63	99	59.94	33	20.27	346
Okt. 6.5	57.004	74	11.80	63	28.959	130	39.04	312	7.098	91	33.62	79	60.27	22	23.73	349
16.5	57.078	41	12.43	83	29.089	68	42.16	300	7.189	59	34.41	59	60.49	11	27.22	345
26.5	57.119	12	13.26	97	29.157	7	45.16	283	7.248	30	35.00	40	60.60	1	30.67	332
Nov. 5.4	57.131	16	14.23	107	29.164	52	47.99	258	7.278	2	35.40	22	60.61	10	33.99	312
15.4	57.115	40	15.30	111	29.112	109	50.57	228	7.280	24	35.62	4	60.51	21	37.11	284
25.4	57.075	63	16.41	109	29.003	163	52.85	190	7.256	49	35.66	11	60.30	31	39.95	248
Dez. 5.3	57.012	82	17.50	105	28.840	213	54.75	148	7.207	70	35.55	26	59.99	40	42.43	204
15.3	56.930	98	18.55	95	28.627	255	56.23	101	7.137	91	35.29	40	59.59	48	44.47	154
25.3	56.832	112	19.50	83	28.372	289	57.24	49	7.046	107	34.89	53	59.11	54	46.01	98
35.3	56.720		20.33		28.083		57.73		6.939		34.36		58.57		46.99	
Mittl. Ort	52.451		40.79		22.388		15.70		2.334		5.76		51.23		3.38	
sec δ, tg δ	1.011		−0.151		1.988		+1.719		1.035		+0.266		3.347		+3.194	

Mittlere Zeit Greenw.	52) υ Persei AR.		52) υ Persei Dekl.		54) α Eridani AR.		54) α Eridani Dekl.		55) 43 Cassiopeiae AR.		55) 43 Cassiopeiae Dekl.		57) φ Persei AR.		57) φ Persei Dekl.	
1917	1h 32m		+48° 12′		1h 34m		−57° 38′		1h 36m		+67° 37′		1h 38m		+50° 16′	
Jan. 0.3	54.852	198	50.22	6	39.161	330	99.78	43	12.32	42	50.58	57	28.529	209	37.26	17
10.3	54.654	216	50.28	37	38.831	336	100.21	13	11.90	44	51.15	1	28.320	228	37.43	28
20.2	54.438	222	49.91	79	38.495	332	100.08	69	11.46	46	51.16	56	28.092	236	37.15	72
30.2	54.216	218	49.12	118	38.163	319	99.39	123	11.00	45	50.60	111	27.856	233	36.43	112
Feb. 9.2	53.998	202	47.94	151	37.844	294	98.16	173	10.55	41	49.49	159	27.623	218	35.31	148
19.1	53.796	175	46.43	178	37.550	261	96.43	218	10.14	36	47.90	202	27.405	191	33.83	178
März 1.1	53.621	136	44.65	197	37.289	218	94.25	259	9.78	29	45.88	235	27.214	151	32.05	199
11.1	53.485	87	42.68	207	37.071	167	91.66	292	9.49	20	43.53	258	27.063	100	30.06	212
21.1	53.398	31	40.61	210	36.904	108	88.74	320	9.29	10	40.95	271	26.963	41	27.94	215
31.0	53.367	32	38.51	201	36.796	44	85.54	341	9.19	1	38.24	273	26.922	23	25.79	210
Apr. 10.0	53.399	98	36.50	184	36.752	25	82.13	353	9.20	13	35.51	263	26.945	91	23.69	195
20.0	53.497	163	34.66	160	36.777	95	78.60	360	9.33	23	32.88	243	27.036	160	21.74	172
30.0	53.660	226	33.06	130	36.872	166	75.00	357	9.56	34	30.45	215	27.196	226	20.02	142
Mai 9.9	53.886	283	31.76	94	37.038	233	71.43	346	9.90	43	28.30	179	27.422	286	18.60	107
19.9	54.169	334	30.82	54	37.271	296	67.97	329	10.33	52	26.51	137	27.708	340	17.53	68
29.9	54.503	375	30.28	13	37.567	352	64.68	304	10.85	59	25.14	91	28.048	383	16.85	27
Juni 8.9	54.878	407	30.15	29	37.919	398	61.64	270	11.44	64	24.23	42	28.431	417	16.58	16
18.8	55.285	427	30.44	70	38.317	435	58.94	230	12.08	67	23.81	8	28.848	440	16.74	58
28.8	55.712	437	31.14	109	38.752	460	56.64	185	12.75	69	23.89	57	29.288	451	17.32	98
Juli 8.8	56.149	435	32.23	146	39.212	472	54.79	134	13.44	70	24.46	106	29.739	451	18.30	136
18.7	56.584	425	33.69	178	39.684	470	53.45	79	14.14	68	25.52	150	30.190	442	19.66	171
28.7	57.009	406	35.47	207	40.154	456	52.66	22	14.82	65	27.02	192	30.632	423	21.37	200
Aug. 7.7	57.415	378	37.54	229	40.610	429	52.44	35	15.47	61	28.94	230	31.055	396	23.37	225
17.7	57.793	345	39.83	248	41.039	390	52.79	91	16.08	56	31.24	262	31.451	363	25.62	246
27.6	58.138	307	42.31	261	41.429	341	53.70	144	16.64	50	33.86	288	31.814	324	28.08	261
Sept. 6.6	58.445	264	44.92	268	41.770	284	55.14	192	17.14	43	36.74	310	32.138	281	30.69	270
16.6	58.709	220	47.60	270	42.054	220	57.06	232	17.57	35	39.84	324	32.419	236	33.39	274
26.6	58.929	175	50.30	267	42.274	151	59.38	265	17.92	28	43.08	332	32.655	190	36.13	274
Okt. 6.5	59.104	129	52.97	260	42.425	80	62.03	286	18.20	20	46.40	334	32.845	142	38.87	268
16.5	59.233	84	55.57	248	42.505	10	64.89	297	18.40	12	49.74	328	32.987	95	41.55	257
26.5	59.317	39	58.05	229	42.515	58	67.86	296	18.52	3	53.02	316	33.082	47	44.12	241
Nov. 5.4	59.356	5	60.34	207	42.457	121	70.82	283	18.55	5	56.18	295	33.129	1	46.53	219
15.4	59.351	48	62.41	180	42.336	178	73.65	259	18.50	13	59.13	268	33.130	44	48.72	192
25.4	59.303	88	64.21	148	42.158	227	76.24	226	18.37	21	61.81	233	33.086	88	50.64	160
Dez. 5.4	59.215	126	65.69	112	41.931	269	78.50	183	18.16	29	64.14	190	32.998	129	52.24	125
15.3	59.089	159	66.81	73	41.662	301	80.33	133	17.87	35	66.04	143	32.869	166	53.49	85
25.3	58.930	188	67.54	31	41.361	323	81.66	80	17.52	40	67.47	89	32.703	196	54.34	42
35.3	58.742		67.85		41.038		82.46		17.12		68.36		32.507		54.76	
Mittl. Ort	53.341		29.29		37.524		89.43		10.37		25.78		26.932		15.93	
sec δ, tg δ	1.500		+1.119		1.869		−1.579		2.627		+2.429		1.565		+1.203	

Mittlere Zeit Greenw.	59) τ Ceti*)				60) ο Piscium				61) Lac. ε Sculptoris				62) ζ Ceti			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	1ʰ 40ᵐ		−16° 21′		1ʰ 41ᵐ		+8° 44′		1ʰ 41ᵐ		−25° 27′		1ʰ 47ᵐ		−10° 44′	
1917	s		″		s		″		s		″		s		″	
Jan. 0.3	14.095	127	87.32	76	1.895	107	34.23	62	46.899	141	64.85	82	23.188	114	38.83	82
10.3	13.968	136	88.08	52	1.788	119	33.61	65	46.758	150	65.67	48	23.074	127	39.65	63
20.2	13.832	140	88.60	25	1.669	126	32.96	65	46.608	154	66.15	13	22.947	132	40.28	42
30.2	13.692	139	88.85	3	1.543	126	32.31	63	46.454	153	66.28	22	22.815	133	40.70	20
Feb. 9.2	13.553	131	88.82	32	1.417	119	31.68	58	46.301	144	66.06	57	22.682	128	40.90	4
19.2	13.422	115	88.50	60	1.298	106	31.10	50	46.157	128	65.49	92	22.554	114	40.86	28
März 1.1	13.307	93	87.90	87	1.192	83	30.60	39	46.029	106	64.57	124	22.440	93	40.58	54
11.1	13.214	64	87.03	115	1.109	55	30.21	24	45.923	75	63.33	156	22.347	66	40.04	78
21.1	13.150	29	85.88	141	1.054	19	29.97	6	45.848	39	61.77	184	22.281	33	39.26	104
31.0	13.121	10	84.47	166	1.035	22	29.91	14	45.809	2	59.93	209	22.248	7	38.22	128
Apr. 10.0	13.131	54	82.81	189	1.057	64	30.05	37	45.811	47	57.84	232	22.255	49	36.94	151
20.0	13.185	98	80.92	208	1.121	110	30.42	62	45.858	93	55.52	249	22.304	94	35.43	173
30.0	13.283	143	78.84	223	1.231	154	31.04	85	45.951	140	53.03	261	22.398	137	33.70	192
Mai 9.9	13.426	185	76.61	235	1.385	196	31.89	109	46.091	184	50.42	269	22.535	180	31.78	206
19.9	13.611	222	74.26	242	1.581	234	32.98	132	46.275	224	47.73	271	22.715	218	29.72	217
29.9	13.833	256	71.84	242	1.815	265	34.30	150	46.499	260	45.02	265	22.933	251	27.55	222
Juni 8.9	14.089	282	69.42	237	2.080	290	35.80	166	46.759	289	42.37	253	23.184	278	25.33	223
18.8	14.371	300	67.05	227	2.370	307	37.46	177	47.048	310	39.84	236	23.462	297	23.10	217
28.8	14.671	311	64.78	209	2.677	317	39.23	183	47.358	323	37.48	212	23.759	309	20.93	206
Juli 8.8	14.982	315	62.69	187	2.994	318	41.06	185	47.681	328	35.36	181	24.068	314	18.87	190
18.7	15.297	309	60.82	159	3.312	312	42.91	182	48.009	324	33.55	147	24.382	309	16.97	167
28.7	15.606	296	59.23	127	3.624	300	44.73	174	48.333	313	32.08	108	24.691	298	15.30	141
Aug. 7.7	15.902	277	57.96	93	3.924	280	46.47	161	48.646	294	31.00	67	24.989	281	13.89	111
17.7	16.179	253	57.03	56	4.204	256	48.08	145	48.940	268	30.33	23	25.270	258	12.78	78
27.6	16.432	223	56.47	18	4.460	229	49.53	125	49.208	239	30.10	20	25.528	231	12.00	43
Sept. 6.6	16.655	190	56.29	19	4.689	198	50.78	105	49.447	204	30.30	61	25.759	200	11.57	10
16.6	16.845	155	56.48	53	4.887	167	51.83	83	49.651	168	30.91	100	25.959	167	11.47	23
26.6	17.000	121	57.01	84	5.054	134	52.66	60	49.819	130	31.91	132	26.126	134	11.70	53
Okt. 6.5	17.121	85	57.85	110	5.188	103	53.26	39	49.949	91	33.23	159	26.260	101	12.23	79
16.5	17.206	51	58.95	129	5.291	71	53.65	18	50.040	55	34.82	178	26.361	68	13.02	100
26.5	17.257	20	60.24	143	5.362	42	53.83	1	50.095	20	36.60	190	26.429	38	14.02	115
Nov. 5.4	17.277	11	61.67	150	5.404	14	53.84	15	50.115	14	38.50	194	26.467	8	15.17	126
15.4	17.266	39	63.17	150	5.418	13	53.69	29	50.101	44	40.44	189	26.475	20	16.43	129
25.4	17.227	63	64.67	143	5.405	37	53.40	41	50.057	72	42.33	177	26.455	46	17.72	127
Dez. 5.4	17.164	86	66.10	130	5.368	61	52.99	49	49.985	97	44.10	157	26.409	69	18.99	121
15.3	17.078	106	67.40	114	5.307	82	52.50	56	49.888	117	45.67	133	26.340	89	20.20	110
25.3	16.972	121	68.54	93	5.225	101	51.94	62	49.771	135	47.00	104	26.251	108	21.30	95
35.3	16.851		69.47		5.124		51.32		49.636		48.04		26.143		22.25	
Mittl. Ort	12.722		87.41		0.501		25.54		45.477		62.26		21.765		40.92	
sec δ, tg δ	1.042		−0.294		1.012		+0.154		1.108		−0.476		1.018		−0.190	

*) Die jährliche Parallaxe (0.″31) ist bereits berücksichtigt.

Mittlere Zeit Greenw.	64) α Trianguli AR.		64) α Trianguli Dekl.		63) ε Cassiopeiae AR.		63) ε Cassiopeiae Dekl.		65) ξ Piscium AR.		65) ξ Piscium Dekl.		66) β Arietis AR.		66) β Arietis Dekl.	
1917	1h 48m		+29° 10′		1h 48m		+63° 15′		1h 49m		+2° 46′		1h 50m		+20° 24′	
Jan. 0.3	22.234s	127	45.23″	25	26.46s	33	66.88″	60	16.846s	105	48.06″	70	4.542s	112	22.58″	41
10.3	22.107	142	44.98	50	26.13	36	67.48	7	16.741	118	47.36	65	4.430	128	22.17	57
20.3	21.965	152	44.48	72	25.77	37	67.55	47	16.623	126	46.71	59	4.302	137	21.60	70
30.2	21.813	153	43.76	91	25.40	37	67.08	98	16.497	128	46.12	51	4.165	138	20.90	80
Feb. 9.2	21.660	146	42.85	108	25.03	35	66.10	145	16.369	123	45.61	39	4.027	133	20.10	88
19.2	21.514	131	41.77	120	24.68	31	64.65	187	16.246	110	45.22	26	3.894	119	19.22	91
März 1.1	21.383	105	40.57	126	24.37	26	62.78	219	16.136	90	44.96	11	3.775	97	18.31	89
11.1	21.278	71	39.31	125	24.11	18	60.59	242	16.046	62	44.85	7	3.678	66	17.42	83
21.1	21.207	30	38.06	118	23.93	10	58.17	255	15.984	28	44.92	27	3.612	28	16.59	72
31.1	21.177	16	36.88	105	23.83	1	55.62	258	15.956	11	45.19	49	3.584	14	15.87	55
Apr. 10.0	21.193	66	35.83	86	23.82	9	53.04	249	15.967	54	45.68	71	3.598	61	15.32	35
20.0	21.259	118	34.97	63	23.91	19	50.55	232	16.021	99	46.39	95	3.659	109	14.97	12
30.0	21.377	168	34.34	36	24.10	27	48.23	205	16.120	142	47.34	118	3.768	156	14.85	15
Mai 10.0	21.545	215	33.98	5	24.37	36	46.18	172	16.262	184	48.52	138	3.924	201	15.00	42
19.9	21.760	258	33.93	25	24.73	44	44.46	132	16.446	223	49.90	157	4.125	240	15.42	70
29.9	22.018	292	34.18	57	25.17	49	43.14	89	16.669	255	51.47	172	4.365	275	16.12	96
Juni 8.9	22.310	321	34.75	87	25.66	55	42.25	42	16.924	281	53.19	183	4.640	301	17.08	119
18.8	22.631	341	35.62	115	26.21	58	41.83	5	17.205	299	55.02	189	4.941	321	18.27	141
28.8	22.972	351	36.77	139	26.79	60	41.88	52	17.504	311	56.91	191	5.262	331	19.68	158
Juli 8.8	23.323	353	38.16	160	27.39	60	42.40	98	17.815	314	58.82	186	5.593	333	21.26	170
18.8	23.676	348	39.76	176	27.99	60	43.38	141	18.129	310	60.68	177	5.926	329	22.96	178
28.7	24.024	334	41.52	188	28.59	58	44.79	180	18.439	298	62.45	163	6.255	316	24.74	182
Aug. 7.7	24.358	314	43.40	195	29.17	54	46.59	216	18.737	280	64.08	145	6.571	298	26.56	181
17.7	24.672	289	45.35	198	29.71	51	48.75	247	19.017	258	65.53	124	6.869	274	28.37	176
27.6	24.961	260	47.33	197	30.22	45	51.22	271	19.275	232	66.77	100	7.143	247	30.13	166
Sept. 6.6	25.221	228	49.30	191	30.67	40	53.93	292	19.507	202	67.77	75	7.390	216	31.79	155
16.6	25.449	195	51.21	182	31.07	33	56.85	306	19.709	171	68.52	49	7.606	185	33.34	140
26.6	25.644	160	53.03	171	31.40	27	59.91	314	19.880	139	69.01	24	7.791	152	34.74	124
Okt. 6.5	25.804	125	54.74	157	31.67	21	63.05	315	20.019	108	69.25	1	7.943	119	35.98	106
16.5	25.929	91	56.31	141	31.88	14	66.20	310	20.127	77	69.26	19	8.062	88	37.04	88
26.5	26.020	58	57.72	123	32.02	6	69.30	299	20.204	48	69.07	38	8.150	56	37.92	70
Nov. 5.5	26.078	25	58.95	104	32.08	0	72.29	281	20.252	19	68.69	51	8.206	27	38.62	52
15.4	26.103	7	59.99	83	32.08	7	75.10	256	20.271	8	68.18	62	8.233	3	39.14	35
25.4	26.096	37	60.82	61	32.01	15	77.66	223	20.263	34	67.56	69	8.230	31	39.49	17
Dez. 5.4	26.059	66	61.43	38	31.86	20	79.89	185	20.229	57	66.87	73	8.199	58	39.66	1
15.3	25.993	94	61.81	13	31.66	26	81.74	140	20.172	80	66.14	75	8.141	82	39.65	17
25.3	25.899	117	61.94	12	31.40	31	83.14	90	20.092	98	65.39	74	8.059	104	39.48	34
35.3	25.782		61.82		31.09		84.04		19.994		64.65		7.955		39.14	
Mittl. Ort	20.725		29.90		24.45		43.09		15.411		41.43		3.061		10.07	
sec δ, tg δ	1.145		+0.558		2.223		+1.985		1.001		+0.049		1.067		+0.372	

Mittlere Zeit Greenw.	67) ψ Phoenicis AR.		Dekl.		68) χ Eridani AR.		Dekl.		71) υ Ceti AR.		Dekl.		72) α Hydri AR.		Dekl.	
1917	1h 50m		−46° 41′		1h 52m		−52° 0′		1h 56m		−21° 28′		1h 56m		−61° 57′	
Jan. 0.3	s 20.750	230	″ 100.37	78	s 45.329	268	″ 87.93	74	s 7.139	130	″ 47.66	92	s 11.14	39	″ 95.11	66
10.3	20.520	240	101.15	28	45.061	280	88.67	20	7.009	143	48.58	61	10.75	41	95.77	7
20.3	20.280	244	101.43	— 24	44.781	284	88.87	— 33	6.866	150	49.19	30	10.34	41	95.84	— 50
30.2	20.036	240	101.19	74	44.497	278	88.54	87	6.716	151	49.49	— 3	9.93	40	95.34	107
Feb. 9.2	19.796	226	100.45	122	44.219	262	87.67	136	6.565	145	49.46	35	9.53	37	94.27	160
19.2	19.570	205	99.23	167	43.957	238	86.31	183	6.420	133	49.11	68	9.16	34	92.67	208
März 1.1	19.365	176	97.56	207	43.719	205	84.48	226	6.287	112	48.43	100	8.82	30	90.59	251
11.1	19.189	137	95.49	244	43.514	163	82.22	262	6.175	85	47.43	130	8.52	25	88.08	288
21.1	19.052	91	93.05	275	43.351	112	79.60	293	6.090	49	46.13	159	8.27	17	85.20	319
31.1	18.961	41	90.30	300	43.239	58	76.67	317	6.041	10	44.54	185	8.10	11	82.01	342
Apr. 10.0	18.920	— 14	87.30	318	43.181	— 4	73.50	336	6.031	— 33	42.69	208	7.99	4	78.59	358
20.0	18.934	72	84.12	331	43.185	66	70.14	346	6.064	79	40.61	228	7.95	— 5	75.01	365
30.0	19.006	130	80.81	336	43.251	130	66.68	350	6.143	125	38.33	243	8.00	13	71.36	366
Mai 10.0	19.136	186	77.45	334	43.381	192	63.18	345	6.268	170	35.90	253	8.13	21	67.70	358
19.9	19.322	238	74.11	324	43.573	249	59.73	333	6.438	210	33.37	258	8.34	28	64.12	341
29.9	19.560	285	70.87	306	43.822	302	56.40	313	6.648	247	30.79	257	8.62	35	60.71	317
Juni 8.9	19.845	325	67.81	281	44.124	346	53.27	286	6.895	276	28.22	250	8.97	40	57.54	285
18.8	20.170	356	65.00	249	44.470	382	50.41	250	7.171	299	25.72	236	9.37	46	54.69	246
28.8	20.526	377	62.51	210	44.852	406	47.91	209	7.470	314	23.36	216	9.83	49	52.23	201
Juli 8.8	20.903	389	60.41	166	45.258	421	45.82	162	7.784	320	21.20	190	10.32	51	50.22	149
18.8	21.292	389	58.75	117	45.679	424	44.20	110	8.104	319	19.30	159	10.83	52	48.73	94
28.7	21.681	380	57.58	64	46.103	414	43.10	56	8.423	310	17.71	123	11.35	51	47.79	36
Aug. 7.7	22.061	361	56.94	11	46.517	395	42.54	— 1	8.733	293	16.48	85	11.86	49	47.43	— 23
17.7	22.422	332	56.83	— 44	46.912	365	42.55	57	9.026	271	15.63	43	12.35	46	47.66	82
27.6	22.754	296	57.27	97	47.277	326	43.12	111	9.297	244	15.20	2	12.81	40	48.48	138
Sept. 6.6	23.050	253	58.24	146	47.603	278	44.23	162	9.541	213	15.18	— 39	13.21	35	49.86	189
16.6	23.303	205	59.70	189	47.881	226	45.85	205	9.754	178	15.57	77	13.56	28	51.75	233
26.6	23.508	154	61.59	225	48.107	169	47.90	242	9.932	143	16.34	111	13.84	20	54.08	270
Okt. 6.5	23.662	102	63.84	252	48.276	109	50.32	269	10.075	108	17.45	139	14.04	12	56.78	295
16.5	23.764	49	66.36	270	48.385	50	53.01	285	10.183	72	18.84	160	14.16	5	59.73	309
26.5	23.813	— 3	69.06	276	48.435	— 9	55.86	290	10.255	38	20.44	175	14.21	— 4	62.82	312
Nov. 5.5	23.810	50	71.82	271	48.426	64	58.76	284	10.293	6	22.19	182	14.17	11	65.94	302
15.4	23.760	95	74.53	256	48.362	115	61.60	267	10.299	— 25	24.01	180	14.06	19	68.96	281
25.4	23.665	135	77.09	231	48.247	161	64.27	238	10.274	54	25.81	172	13.87	25	71.77	248
Dez. 5.4	23.530	170	79.40	197	48.086	201	66.65	202	10.220	80	27.53	157	13.62	30	74.25	207
15.3	23.360	199	81.37	156	47.885	234	68.67	158	10.140	102	29.10	136	13.32	35	76.32	158
25.3	23.161	221	82.93	111	47.651	259	70.25	109	10.038	122	30.46	112	12.97	38	77.90	103
35.3	22.940		84.04		47.392		71.34		9.916		31.58		12.59		78.93	
Mittl. Ort	19.155		92.40		43.655		78.93		5.653		46.39		9.24		84.57	
sec δ, tg δ	1.458		−1.061		1.625		−1.281		1.075		−0.393		2.128		−1.879	

Mittlere Zeit Greenw.	70) 50 Cassiopeiae AR.	Diff.	70) 50 Cassiopeiae Dekl.	Diff.	73) γ Andromedae AR.	Diff.	73) γ Andromedae Dekl.	Diff.
1917	1h 56m		+72° 1'		1h 58m		+41° 55'	
Jan. 0.3	21.70	52	38.45	94	49.547	158	73.86	14
10.3	21.18	57	39.39	35	49.389	179	74.00	23
20.3	20.61	59	39.74	23	49.210	192	73.77	58
30.2	20.02	58	39.51	81	49.018	196	73.19	92
Feb. 9.2	19.44	55	38.70	135	48.822	189	72.27	121
19.2	18.89	50	37.35	183	48.633	171	71.06	145
März 1.1	18.39	41	35.52	222	48.462	141	69.61	162
11.1	17.98	31	33.30	253	48.321	102	67.99	173
21.1	17.67	19	30.77	272	48.219	53	66.26	175
31.1	17.48	7	28.05	281	48.166	1	64.51	170
Apr. 10.0	17.41	8	25.24	278	48.167	59	62.81	157
20.0	17.49	22	22.46	265	48.226	119	61.24	136
30.0	17.71	34	19.81	241	48.345	179	59.88	110
Mai 10.0	18.05	47	17.40	210	48.524	233	58.78	78
19.9	18.52	58	15.30	172	48.757	283	58.00	45
29.9	19.10	67	13.58	129	49.040	326	57.55	9
Juni 8.9	19.77	74	12.29	81	49.366	359	57.46	28
18.8	20.51	80	11.48	32	49.725	383	57.74	63
28.8	21.31	82	11.16	18	50.108	396	58.37	98
Juli 8.8	22.13	84	11.34	68	50.504	402	59.35	129
18.8	22.97	84	12.02	115	50.906	397	60.64	157
28.7	23.81	81	13.17	160	51.303	385	62.21	181
Aug. 7.7	24.62	77	14.77	201	51.688	364	64.02	200
17.7	25.39	72	16.78	238	52.052	339	66.02	215
27.6	26.11	65	19.16	270	52.391	307	68.17	225
Sept. 6.6	26.76	57	21.86	296	52.698	272	70.42	230
16.6	27.33	49	24.82	317	52.970	235	72.72	231
26.6	27.82	40	27.99	330	53.205	196	75.03	229
Okt. 6.5	28.22	31	31.29	338	53.401	157	77.32	221
16.5	28.53	20	34.67	339	53.558	117	79.53	210
26.5	28.73	9	38.06	331	53.675	76	81.63	196
Nov. 5.5	28.82	1	41.37	316	53.751	37	83.59	178
15.4	28.81	13	44.53	293	53.788	3	85.37	155
25.4	28.68	22	47.46	263	53.785	42	86.92	129
Dez. 5.4	28.46	32	50.09	223	53.743	79	88.21	100
15.3	28.14	42	52.32	178	53.664	114	89.21	68
25.3	27.72	48	54.10	126	53.550	144	89.89	34
35.3	27.24		55.36		53.406		90.23	
Mittl. Ort	19.02		13.58		47.844		55.09	
sec δ, tg δ	3.240		+3.081		1.344		+0.898	

Mittlere Zeit Greenw.	74) α Arietis AR.	Diff.	74) α Arietis Dekl.	Diff.	75) β Trianguli AR.	Diff.	75) β Trianguli Dekl.	Diff.
1917	2h 2m		+23° 4'		2h 4m		+34° 35'	
Jan. 0.3	30.991	112	27.18	32	37.611	132	59.63	2
10.3	30.879	130	26.86	49	37.479	153	59.61	30
20.3	30.749	141	26.37	64	37.326	166	59.31	59
30.2	30.608	145	25.73	78	37.160	171	58.72	84
Feb. 9.2	30.463	143	24.95	88	36.989	167	57.88	107
19.2	30.320	130	24.07	95	36.822	152	56.81	125
März 1.1	30.190	108	23.12	96	36.670	128	55.56	136
11.1	30.082	78	22.16	93	36.542	93	54.20	142
21.1	30.004	41	21.23	85	36.449	51	52.78	141
31.1	29.963	2	20.38	71	36.398	3	51.37	132
Apr. 10.0	29.965	49	19.67	52	36.395	51	50.05	118
20.0	30.014	98	19.15	30	36.446	105	48.87	97
30.0	30.112	147	18.85	5	36.551	159	47.90	72
Mai 10.0	30.259	194	18.80	22	36.710	210	47.18	43
19.9	30.453	235	19.02	49	36.920	257	46.75	12
29.9	30.688	271	19.51	76	37.177	296	46.63	21
Juni 8.9	30.959	300	20.27	102	37.473	328	46.84	53
18.8	31.259	321	21.29	124	37.801	351	47.37	84
28.8	31.580	334	22.53	143	38.152	365	48.21	112
Juli 8.8	31.914	339	23.96	159	38.517	371	49.33	138
18.8	32.253	335	25.55	170	38.888	367	50.71	159
28.7	32.588	325	27.25	176	39.255	357	52.30	176
Aug. 7.7	32.913	309	29.01	178	39.612	339	54.06	189
17.7	33.222	286	30.79	176	39.951	316	55.95	198
27.6	33.508	260	32.55	169	40.267	287	57.93	202
Sept. 6.6	33.768	231	34.24	160	40.554	256	59.95	203
16.6	33.999	201	35.84	148	40.810	223	61.98	198
26.6	34.200	168	37.32	134	41.033	188	63.96	191
Okt. 6.5	34.368	135	38.66	118	41.221	152	65.87	182
16.5	34.503	104	39.84	101	41.373	116	67.69	169
26.5	34.607	72	40.85	85	41.489	81	69.38	153
Nov. 5.5	34.679	40	41.70	67	41.570	45	70.91	136
15.4	34.719	9	42.37	50	41.615	9	72.27	116
25.4	34.728	20	42.87	32	41.624	26	73.43	94
Dez. 5.4	34.708	49	43.19	13	41.598	59	74.37	68
15.3	34.659	77	43.32	4	41.539	91	75.05	42
25.3	34.582	101	43.28	23	41.448	120	75.47	14
35.3	34.481		43.05		41.328		75.61	
Mittl. Ort	29.413		13.99		35.935		43.02	
sec δ, tg δ	1.087		+0.426		1.215		+0.690	

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Mittlere Zeit Greenw.	76) 55 Cassiopeiae				78) Lac. μ Fornacis				80) 67 Ceti				85) ξ² Ceti			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$2^h\ 7^m$		$+66°\ 8'$		$2^h\ 9^m$		$-31°\ 6'$		$2^h\ 12^m$		$-6°\ 47'$		$2^h\ 23^m$		$+8°\ 5'$	
Jan. 0.3	59.45	36	33.96	91	16.792	153	49.91	104	52.094	105	71.55	88	46.263	95	27.16	62
10.3	59.09	40	34.87	36	16.639	168	50.95	65	51.989	121	72.43	72	46.168	115	26.54	61
20.3	58.69	43	35.23	18	16.471	177	51.60	25	51.868	133	73.15	55	46.053	130	25.93	60
30.2	58.26	43	35.05	72	16.294	180	51.85	16	51.735	139	73.70	35	45.923	138	25.33	57
Feb. 9.2	57.83	41	34.33	123	16.114	176	51.69	57	51.596	137	74.05	15	45.785	138	24.76	51
19.2	57.42	38	33.10	168	15.938	163	51.12	96	51.459	128	74.20	6	45.647	131	24.25	43
März 1.2	57.04	32	31.42	207	15.775	142	50.16	133	51.331	110	74.14	29	45.516	115	23.82	34
11.1	56.72	24	29.35	234	15.633	113	48.83	168	51.221	86	73.85	52	45.401	90	23.48	20
21.1	56.48	16	27.01	254	15.520	78	47.15	200	51.135	54	73.33	76	45.311	58	23.28	4
31.1	56.32	6	24.47	263	15.442	36	45.15	228	51.081	16	72.57	100	45.253	20	23.24	14
Apr. 10.0	56.26	5	21.84	260	15.406	9	42.87	251	51.065	26	71.57	123	45.233	22	23.38	35
20.0	56.31	15	19.24	247	15.415	58	40.36	271	51.091	70	70.34	146	45.255	68	23.73	56
30.0	56.46	26	16.77	226	15.473	107	37.65	283	51.161	115	68.88	166	45.323	114	24.29	78
Mai 10.0	56.72	35	14.51	197	15.580	156	34.82	291	51.276	158	67.22	183	45.437	158	25.07	99
19.9	57.07	45	12.54	161	15.736	200	31.91	292	51.434	198	65.39	196	45.595	199	26.06	120
29.9	57.52	52	10.93	120	15.936	241	28.99	285	51.632	234	63.43	206	45.794	236	27.26	138
Juni 8.9	58.04	57	9.73	75	16.177	276	26.14	273	51.866	264	61.37	210	46.030	266	28.64	153
18.9	58.61	62	8.98	29	16.453	302	23.41	253	52.130	286	59.27	209	46.296	289	30.17	163
28.8	59.23	66	8.69	18	16.755	321	20.88	226	52.416	301	57.18	202	46.585	305	31.80	170
Juli 8.8	59.89	66	8.87	65	17.076	332	18.62	193	52.717	309	55.16	189	46.890	313	33.50	171
18.8	60.55	66	9.52	109	17.408	335	16.69	155	53.026	309	53.27	172	47.203	315	35.21	169
28.7	61.21	65	10.61	152	17.743	328	15.14	112	53.335	302	51.55	150	47.518	308	36.90	160
Aug. 7.7	61.86	62	12.13	190	18.071	314	14.02	66	53.637	288	50.05	123	47.826	296	38.50	147
17.7	62.48	58	14.03	223	18.385	293	13.36	18	53.925	269	48.82	93	48.122	278	39.97	132
27.7	63.06	54	16.26	253	18.678	266	13.18	29	54.194	246	47.89	62	48.400	257	41.29	113
Sept. 6.6	63.60	47	18.79	278	18.944	234	13.47	76	54.440	219	47.27	29	48.657	231	42.42	91
16.6	64.07	41	21.57	296	19.178	198	14.23	118	54.659	189	46.98	3	48.888	203	43.33	69
26.6	64.48	35	24.53	309	19.376	161	15.41	155	54.848	159	47.01	33	49.091	175	44.02	47
Okt. 6.6	64.83	28	27.62	315	19.537	121	16.96	187	55.007	127	47.34	59	49.266	145	44.49	26
16.5	65.11	19	30.77	316	19.658	82	18.83	210	55.134	96	47.93	82	49.411	115	44.75	5
26.5	65.30	12	33.93	309	19.740	43	20.93	224	55.230	66	48.75	99	49.526	85	44.80	12
Nov. 5.5	65.42	4	37.02	295	19.783	6	23.17	228	55.296	35	49.74	112	49.611	56	44.68	27
15.4	65.46	4	39.97	275	19.789	30	25.45	225	55.331	6	50.86	119	49.667	26	44.41	39
25.4	65.42	13	42.72	246	19.759	63	27.70	211	55.337	22	52.05	120	49.693	3	44.02	48
Dez. 5.4	65.29	20	45.18	210	19.696	93	29.81	190	55.315	48	53.25	117	49.690	32	43.54	55
15.4	65.09	27	47.28	169	19.603	120	31.71	162	55.267	73	54.42	109	49.658	59	42.99	60
25.3	64.82	33	48.97	120	19.483	144	33.33	129	55.194	96	55.51	98	49.599	84	42.39	63
35.3	64.49		50.17		19.339		34.62		55.098		56.49		49.515		41.76	
Mittl. Ort	56.96		10.32		15.205		46.02		50.537		74.94		44.620		19.06	
sec δ, tg δ	2.472		+2.260		1.168		−0.604		1.007		−0.119		1.010		+0.142	

Mittlere Zeit Greenw.	87) 36 H. Cassiopeiae AR.	Δ	87) Dekl.	Δ	90) μ Hydri AR.	Δ	90) Dekl.	Δ	89) ν Arietis AR.	Δ	89) Dekl.	Δ	91) δ Ceti AR.	Δ	91) Dekl.	Δ
1917	2h 30m		+72° 27′		2h 33m		−79° 27′		2h 34m		+21° 36′		2h 35m		−0° 1′	
Jan. 0.3	10.12 s	48	46.39″	134	27.89 s	117	88.83″	91	7.738 s	98	23.50″	24	15.265 s	94	38.77″	81
10.3	9.64	55	47.73	79	26.72	124	89.74	30	7.640	121	23.26	38	15.171	114	39.58	72
20.3	9.09	60	48.52	21	25.48	126	90.04	31	7.519	139	22.88	51	15.057	130	40.30	61
30.3	8.49	61	48.73	37	24.22	125	89.73	89	7.380	150	22.37	62	14.927	140	40.91	49
Feb. 9.2	7.88	60	48.36	93	22.97	121	88.84	146	7.230	153	21.75	71	14.787	142	41.40	35
19.2	7.28	56	47.43	144	21.76	113	87.38	198	7.077	146	21.04	78	14.645	137	41.75	19
März 1.2	6.72	50	45.99	190	20.63	104	85.40	242	6.931	129	20.26	81	14.508	123	41.94	2
11.1	6.22	40	44.09	227	19.59	92	82.98	282	6.802	104	19.45	78	14.385	100	41.96	16
21.1	5.82	29	41.82	255	18.67	76	80.16	316	6.698	70	18.67	72	14.285	70	41.80	37
31.1	5.53	16	39.27	271	17.91	60	77.00	340	6.628	29	17.95	61	14.215	34	41.43	58
Apr. 10.1	5.37	2	36.56	277	17.31	43	73.60	357	6.599	16	17.34	46	14.181	8	40.85	80
20.0	5.35	12	33.79	272	16.88	23	70.03	368	6.615	64	16.88	27	14.189	52	40.05	102
30.0	5.47	25	31.07	258	16.65	3	66.35	369	6.679	114	16.61	6	14.241	97	39.03	123
Mai 10.0	5.72	39	28.49	234	16.62	16	62.66	363	6.793	162	16.55	18	14.338	142	37.80	142
20.0	6.11	51	26.15	203	16.78	35	59.03	348	6.955	206	16.73	43	14.480	183	36.38	159
29.9	6.62	62	24.12	165	17.13	53	55.55	325	7.161	245	17.16	66	14.663	220	34.79	172
Juni 8.9	7.24	71	22.47	123	17.66	71	52.30	295	7.406	278	17.82	89	14.883	252	33.07	182
18.9	7.95	77	21.24	77	18.37	85	49.35	256	7.684	303	18.71	110	15.135	277	31.25	187
28.8	8.72	83	20.47	30	19.22	98	46.79	211	7.987	322	19.81	127	15.412	295	29.38	186
Juli 8.8	9.55	86	20.17	18	20.20	107	44.68	160	8.309	331	21.08	141	15.707	305	27.52	181
18.8	10.41	87	20.35	65	21.27	114	43.08	105	8.640	333	22.49	151	16.012	309	25.71	170
28.8	11.28	86	21.00	111	22.41	117	42.03	45	8.973	329	24.00	156	16.321	304	24.01	154
Aug. 7.7	12.14	84	22.11	155	23.58	116	41.58	15	9.302	317	25.56	157	16.625	295	22.47	134
17.7	12.98	80	23.66	193	24.74	112	41.73	76	9.619	300	27.13	154	16.920	279	21.13	111
27.7	13.78	74	25.59	229	25.86	103	42.49	135	9.919	278	28.67	148	17.199	258	20.02	85
Sept. 6.7	14.52	68	27.88	260	26.89	92	43.84	189	10.197	254	30.15	139	17.457	235	19.17	57
16.6	15.20	61	30.48	286	27.81	76	45.73	237	10.451	227	31.54	127	17.692	208	18.60	28
26.6	15.81	52	33.34	305	28.57	59	48.10	278	10.678	197	32.81	114	17.900	181	18.32	1
Okt. 6.6	16.33	42	36.39	319	29.16	39	50.88	308	10.875	168	33.95	99	18.081	151	18.31	23
16.5	16.75	32	39.58	327	29.55	17	53.96	325	11.043	137	34.94	84	18.232	121	18.54	46
26.5	17.07	22	42.85	327	29.72	5	57.21	331	11.180	105	35.78	69	18.353	92	19.00	65
Nov. 5.5	17.29	10	46.12	320	29.67	28	60.52	325	11.285	74	36.47	54	18.445	62	19.65	78
15.5	17.39	1	49.32	305	29.39	48	63.77	306	11.359	41	37.01	40	18.507	32	20.43	88
25.4	17.38	13	52.37	281	28.91	68	66.83	275	11.400	10	37.41	26	18.539	2	21.31	94
Dez. 5.4	17.25	24	55.18	249	28.23	86	69.58	234	11.410	23	37.67	11	18.541	27	22.25	95
15.4	17.01	34	57.67	210	27.37	101	71.92	184	11.387	55	37.78	3	18.514	55	23.20	92
25.3	16.67	44	59.77	164	26.36	111	73.76	130	11.332	84	37.75	18	18.459	81	24.12	87
35.3	16.23		61.41		25.25		75.06		11.248		37.57		18.378		24.99	
Mittl. Ort	6.58		22.83		23.93		77.90		5.961		11.42		13.583		44.19	
sec δ, tg δ	3.318		+3.163		5.473		−5.381		1.076		+0.396		1.000		0.000	

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Mittlere Zeit Greenw.	93) ϑ Persei AR.		93) ϑ Persei Dekl.		97) π Ceti AR.		97) π Ceti Dekl.		98) μ Ceti AR.		98) μ Ceti Dekl.		100) 41 Arietis AR.		100) 41 Arietis Dekl.	
	$2^h\ 38^m$		+48° 52′		$2^h\ 40^m$		−14° 12′		$2^h\ 40^m$		+9° 45′		$2^h\ 45^m$		+26° 55′	
1917	s		″		s		″		s		″		s		″	
Jan. 0.3	33.535	163	60.59	67	11.993	105	33.49	111	28.900	88	60.03	57	7.526	98	22.22	3
10.3	33.372	197	61.26	27	11.888	127	34.60	87	28.812	111	59.46	58	7.428	124	22.19	22
20.3	33.175	223	61.53	12	11.761	143	35.47	62	28.701	129	58.88	58	7.304	146	21.97	41
30.3	32.952	237	61.41	52	11.618	152	36.09	35	28.572	141	58.30	56	7.158	160	21.56	57
Feb. 9.2	32.715	239	60.89	90	11.466	155	36.44	7	28.431	144	57.74	52	6.998	164	20.99	72
19.2	32.476	228	59.99	123	11.311	150	36.51	22	28.287	139	57.22	47	6.834	158	20.27	85
März 1.2	32.248	203	58.76	152	11.161	137	36.29	50	28.148	125	56.75	38	6.676	143	19.42	93
11.1	32.045	164	57.24	172	11.024	114	35.79	79	28.023	103	56.37	27	6.533	118	18.49	96
21.1	31.881	116	55.52	187	10.910	84	35.00	106	27.920	72	56.10	13	6.415	83	17.53	95
31.1	31.765	58	53.65	192	10.826	48	33.94	133	27.848	35	55.97	3	6.332	42	16.58	88
Apr. 10.1	31.707	8	51.73	189	10.778	7	32.61	157	27.813	7	56.00	22	6.290	6	15.70	77
20.0	31.715	74	49.84	178	10.771	37	31.04	180	27.820	53	56.22	43	6.296	56	14.93	60
30.0	31.789	142	48.06	161	10.808	83	29.24	200	27.873	100	56.65	64	6.352	107	14.33	40
Mai 10.0	31.931	208	46.45	136	10.891	129	27.24	216	27.973	145	57.29	85	6.459	158	13.93	17
20.0	32.139	268	45.09	107	11.020	171	25.08	226	28.118	187	58.14	105	6.617	204	13.76	7
29.9	32.407	321	44.02	74	11.191	210	22.82	233	28.305	225	59.19	124	6.821	246	13.83	33
Juni 8.9	32.728	367	43.28	39	11.401	244	20.49	233	28.530	257	60.43	139	7.067	281	14.16	57
18.9	33.095	401	42.89	2	11.645	271	18.16	228	28.787	283	61.82	151	7.348	309	14.73	81
28.8	33.496	426	42.87	33	11.916	291	15.88	217	29.070	302	63.33	159	7.657	329	15.54	102
Juli 8.8	33.922	440	43.20	69	12.207	304	13.71	198	29.372	312	64.92	162	7.986	341	16.56	120
18.8	34.362	446	43.89	102	12.511	308	11.73	175	29.684	315	66.54	160	8.327	346	17.76	135
28.8	34.808	441	44.91	132	12.819	307	9.98	147	29.999	312	68.14	155	8.673	342	19.11	145
Aug. 7.7	35.249	428	46.23	158	13.126	298	8.51	114	30.311	302	69.69	144	9.015	332	20.56	152
17.7	35.677	407	47.81	181	13.424	283	7.37	78	30.613	287	71.13	130	9.347	316	22.08	155
27.7	36.084	381	49.62	200	13.707	263	6.59	40	30.900	268	72.43	113	9.663	297	23.63	154
Sept. 6.7	36.465	350	51.62	214	13.970	239	6.19	1	31.168	244	73.56	93	9.960	272	25.17	150
16.6	36.815	314	53.76	225	14.209	212	6.18	36	31.412	219	74.49	72	10.232	246	26.67	142
26.6	37.129	276	56.01	231	14.421	182	6.54	71	31.631	191	75.21	51	10.478	217	28.09	134
Okt. 6.6	37.405	234	58.32	233	14.603	152	7.25	102	31.822	163	75.72	30	10.695	186	29.43	123
16.5	37.639	191	60.65	231	14.755	120	8.27	128	31.985	133	76.02	11	10.881	155	30.66	111
26.5	37.830	145	62.96	224	14.875	88	9.55	147	32.118	104	76.13	6	11.036	123	31.77	98
Nov. 5.5	37.975	98	65.20	213	14.963	56	11.02	160	32.222	74	76.07	20	11.159	90	32.75	85
15.5	38.073	50	67.33	197	15.019	24	12.62	165	32.296	43	75.87	32	11.249	55	33.60	70
25.4	38.123	0	69.30	177	15.043	7	14.27	164	32.339	13	75.55	42	11.304	21	34.30	56
Dez. 5.4	38.123	49	71.07	152	15.036	37	15.91	157	32.352	17	75.13	49	11.325	15	34.86	40
15.4	38.074	97	72.59	121	14.999	66	17.48	144	32.335	47	74.64	54	11.310	50	35.26	23
25.4	37.977	142	73.80	87	14.933	94	18.92	126	32.288	76	74.10	57	11.260	82	35.49	5
35.3	37.835		74.67		14.839		20.18		32.212		73.53		11.178		35.54	
Mittl. Ort	31.319		41.47		10.300		34.62		27.157		51.66		5.630		8.92	
sec δ, tg δ	1.521		+1.145		1.032		−0.253		1.015		+0.172		1.121		+0.508	

Mittlere Zeit Greenw.	101) β Fornacis				102) τ² Eridani				103) τ Persei				104) η Eridani			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	2ʰ 45ᵐ		−32° 44′		2ʰ 47ᵐ		−21° 20′		2ʰ 48ᵐ		+52° 25′		2ʰ 52ᵐ		−9° 13′	
Jan. 0.3	38ˢ.757	148	78″.09	138	18ˢ.134	116	45″.40	126	24ˢ.205	174	44″.70	86	24ˢ.046	94	37″.81	107
10.3	38.609	170	79.47	98	18.018	138	46.66	97	24.031	215	45.56	47	23.952	118	38.88	89
20.3	38.439	187	80.45	56	17.880	156	47.63	64	23.816	245	46.03	4	23.834	136	39.77	68
30.3	38.252	197	81.01	12	17.724	166	48.27	30	23.571	263	46.07	39	23.698	148	40.45	46
Feb. 9.2	38.055	199	81.13	30	17.558	170	48.57	4	23.308	267	45.68	79	23.550	153	40.91	22
19.2	37.856	193	80.83	73	17.388	165	48.53	39	23.041	257	44.89	117	23.397	150	41.13	3
März 1.2	37.663	177	80.10	113	17.223	151	48.14	73	22.784	232	43.72	149	23.247	139	41.10	27
11.1	37.486	152	78.97	152	17.072	130	47.41	105	22.552	193	42.23	175	23.108	118	40.83	52
21.1	37.334	120	77.45	187	16.942	99	46.36	136	22.359	141	40.48	193	22.990	90	40.31	78
31.1	37.214	81	75.58	218	16.843	64	45.00	165	22.218	80	38.55	202	22.900	55	39.53	102
Apr. 10.1	37.133	35	73.40	245	16.779	21	43.35	192	22.138	12	36.53	203	22.845	14	38.51	127
20.0	37.098	13	70.95	267	16.758	24	41.43	214	22.126	61	34.50	196	22.831	29	37.24	149
30.0	37.111	63	68.28	285	16.782	71	39.29	234	22.187	134	32.54	180	22.860	74	35.75	170
Mai 10.0	37.174	114	65.43	295	16.853	117	36.95	248	22.321	204	30.74	158	22.934	120	34.05	187
20.0	37.288	163	62.48	299	16.970	162	34.47	256	22.525	270	29.16	131	23.054	163	32.18	201
29.9	37.451	207	59.49	297	17.132	203	31.91	260	22.795	329	27.85	98	23.217	202	30.17	210
Juni 8.9	37.658	246	56.52	286	17.335	239	29.31	256	23.124	378	26.87	64	23.419	236	28.07	214
18.9	37.904	280	53.66	269	17.574	269	26.75	247	23.502	418	26.23	26	23.655	263	25.93	213
28.9	38.184	305	50.97	245	17.843	290	24.28	229	23.920	447	25.97	11	23.918	285	23.80	205
Juli 8.8	38.489	322	48.52	213	18.133	306	21.99	207	24.367	466	26.08	47	24.203	299	21.75	193
18.8	38.811	332	46.39	176	18.439	313	19.92	178	24.833	473	26.55	83	24.502	305	19.82	174
28.8	39.143	333	44.63	132	18.752	313	18.14	143	25.306	471	27.38	115	24.807	304	18.08	150
Aug. 7.7	39.476	326	43.31	86	19.065	305	16.71	105	25.777	460	28.53	145	25.111	298	16.58	123
17.7	39.802	311	42.45	37	19.370	292	15.66	64	26.237	441	29.98	171	25.409	285	15.35	90
27.7	40.113	291	42.08	15	19.662	272	15.02	20	26.678	415	31.69	194	25.694	267	14.45	56
Sept. 6.7	40.404	264	42.23	64	19.934	249	14.82	24	27.093	384	33.63	212	25.961	245	13.89	21
16.6	40.668	232	42.87	111	20.183	221	15.06	66	27.477	347	35.75	225	26.206	220	13.68	14
26.6	40.900	199	43.98	154	20.404	190	15.72	104	27.824	307	38.00	236	26.426	192	13.82	47
Okt. 6.6	41.099	162	45.52	190	20.594	159	16.76	138	28.131	264	40.36	242	26.618	164	14.29	77
16.6	41.261	122	47.42	218	20.753	125	18.14	166	28.395	218	42.78	242	26.782	134	15.06	103
26.5	41.383	83	49.60	238	20.878	91	19.80	186	28.613	169	45.20	239	26.916	104	16.09	122
Nov. 5.5	41.466	44	51.98	248	20.969	57	21.66	198	28.782	117	47.59	230	27.020	72	17.31	137
15.5	41.510	5	54.46	248	21.026	23	23.64	203	28.899	64	49.89	216	27.092	41	18.68	145
25.4	41.515	33	56.94	239	21.049	10	25.67	198	28.963	9	52.05	197	27.133	9	20.13	146
Dez. 5.4	41.482	69	59.33	221	21.039	43	27.65	187	28.972	46	54.02	173	27.142	21	21.59	142
15.4	41.413	103	61.54	195	20.996	74	29.52	169	28.926	100	55.75	143	27.121	52	23.01	133
25.4	41.310	133	63.49	162	20.922	103	31.21	145	28.826	150	57.18	108	27.069	81	24.34	119
35.3	41.177		65.11		20.819		32.66		28.676		58.26		26.988		25.53	
Mittl. Ort	36.982		74.31		16.398		44.56		21.779		25.28		22.295		40.37	
sec δ, tg δ	1.189		−0.643		1.074		−0.391		1.640		+1.300		1.013		−0.162	

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	105) 47 H. Cephei				106) ϑ Eridani				107) α Ceti				108) γ Persei			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$2^h\ 54^m$		$+79^\circ\ 5'$		$2^h\ 55^m$		$-40^\circ\ 37'$		$2^h\ 57^m$		$+3^\circ\ 45'$		$2^h\ 58^m$		$+53^\circ\ 10'$	
Jan. 0.3	65.51	76	55.81	181	8.633	176	77.47	153	58.120	82	59.53	75	49.056	169	75.43	98
10.3	64.75	89	57.62	125	8.457	203	79.00	107	58.038	107	58.78	69	48.887	213	76.41	58
20.3	63.86	98	58.87	67	8.254	222	80.07	59	57.931	128	58.09	62	48.674	247	76.99	16
30.3	62.88	102	59.54	6	8.032	234	80.66	11	57.803	142	57.47	53	48.427	268	77.15	26
Feb. 9.2	61.86	102	59.60	54	7.798	236	80.77	37	57.661	148	56.94	43	48.159	275	76.89	68
19.2	60.84	98	59.06	112	7.562	230	80.40	85	57.513	146	56.51	31	47.884	268	76.21	108
März 1.2	59.86	88	57.94	165	7.332	214	79.55	130	57.367	136	56.20	17	47.616	246	75.13	141
11.2	58.98	76	56.29	210	7.118	188	78.25	171	57.231	115	56.03	2	47.370	208	73.72	168
21.1	58.22	59	54.19	246	6.930	154	76.54	209	57.116	87	56.01	15	47.162	157	72.04	189
31.1	57.63	40	51.73	272	6.776	112	74.45	242	57.029	53	56.16	34	47.005	97	70.15	201
Apr. 10.1	57.23	20	49.01	287	6.664	64	72.03	271	56.976	12	56.50	54	46.908	28	68.14	204
20.0	57.03	3	46.14	292	6.600	12	69.32	294	56.964	33	57.04	75	46.880	45	66.10	199
30.0	57.06	25	43.22	285	6.588	43	66.38	310	56.997	78	57.79	94	46.925	119	64.11	186
Mai 10.0	57.31	46	40.37	268	6.631	98	63.28	320	57.075	123	58.73	115	47.044	191	62.25	166
20.0	57.77	66	37.69	243	6.729	151	60.08	322	57.198	166	59.88	133	47.235	260	60.59	141
29.9	58.43	84	35.26	211	6.880	201	56.86	317	57.364	205	61.21	147	47.495	321	59.18	110
Juni 8.9	59.27	99	33.15	173	7.081	246	53.69	304	57.569	239	62.68	159	47.816	373	58.08	77
18.9	60.26	112	31.42	129	7.327	284	50.65	284	57.808	267	64.27	168	48.189	415	57.31	40
28.9	61.38	122	30.13	83	7.611	314	47.81	255	58.075	288	65.95	170	48.604	448	56.91	4
Juli 8.8	62.60	130	29.30	34	7.925	337	45.26	219	58.363	301	67.65	168	49.052	468	56.87	32
18.8	63.90	133	28.96	14	8.262	350	43.07	178	58.664	307	69.33	162	49.520	480	57.19	68
28.8	65.23	135	29.10	63	8.612	355	41.29	130	58.971	307	70.95	150	50.000	480	57.87	101
Aug. 7.7	66.58	133	29.73	109	8.967	350	39.99	80	59.278	300	72.45	134	50.480	471	58.88	131
17.7	67.91	129	30.82	154	9.317	338	39.19	25	59.578	288	73.79	115	50.951	455	60.19	159
27.7	69.20	123	32.36	194	9.655	317	38.94	30	59.866	271	74.94	91	51.406	430	61.78	182
Sept. 6.7	70.43	114	34.30	232	9.972	290	39.24	84	60.137	251	75.85	67	51.836	401	63.60	202
16.6	71.57	104	36.62	265	10.262	257	40.08	135	60.388	227	76.52	41	52.237	367	65.62	218
26.6	72.61	92	39.27	292	10.519	219	41.43	181	60.615	201	76.93	17	52.604	327	67.80	229
Okt. 6.6	73.53	77	42.19	314	10.738	179	43.24	219	60.816	174	77.10	8	52.931	284	70.09	237
16.6	74.30	61	45.33	330	10.917	135	45.43	250	60.990	146	77.02	29	53.215	238	72.46	240
26.5	74.91	44	48.63	338	11.052	90	47.93	270	61.136	117	76.73	47	53.453	189	74.86	238
Nov. 5.5	75.35	26	52.01	337	11.142	44	50.63	280	61.253	87	76.26	62	53.642	137	77.24	231
15.5	75.61	6	55.38	330	11.186	0	53.43	280	61.340	56	75.64	72	53.779	81	79.55	220
25.4	75.67	13	58.68	314	11.186	44	56.23	268	61.396	25	74.92	79	53.860	25	81.75	203
Dez. 5.4	75.54	32	61.82	287	11.142	86	58.91	247	61.421	6	74.13	82	53.885	33	83.78	181
15.4	75.22	51	64.69	252	11.056	124	61.38	216	61.415	38	73.31	82	53.852	89	85.59	152
25.4	74.71	67	67.21	209	10.932	160	63.54	180	61.377	68	72.49	80	53.763	143	87.11	119
35.3	74.04		69.30		10.772		65.34		61.309		71.69		53.620		88.30	
Mittl. Ort	59.53		32.96		6.751		72.10		56.311		53.24		46.491		56.40	
sec δ, tg δ	5.285		+5.189		1.318		−0.858		1.002		+0.066		1.669		+1.336	

Mittlere Zeit Greenw.	109) ρ Persei AR.		109) ρ Persei Dekl.		110) μ Horologii AR.		110) μ Horologii Dekl.		111) β Persei AR.		111) β Persei Dekl.		114) δ Arietis AR.		114) δ Arietis Dekl.	
	2h 59m		+38° 31′		3h 1m		−60° 2′		3h 2m		+40° 38′		3h 6m		+19° 24′	
1917	s		″		s		″		s		″		s		″	
Jan. 0.4	53.271	110	26.09	45	41.57	34	102.29	158	47.958	114	28.52	55	54.721	78	59.50	23
10.3	53.161	144	26.54	16	41.23	37	103.87	104	47.844	149	29.07	25	54.643	108	59.27	32
20.3	53.017	171	26.70	12	40.86	40	104.91	47	47.695	178	29.32	6	54.535	132	58.95	41
30.3	52.846	190	26.58	41	40.46	42	105.38	11	47.517	198	29.26	36	54.403	148	58.54	50
Feb. 9.2	52.656	197	26.17	69	40.04	41	105.27	68	47.319	205	28.90	66	54.255	157	58.04	56
19.2	52.459	193	25.48	93	39.63	40	104.59	121	47.114	202	28.24	93	54.098	157	57.48	61
März 1.2	52.266	177	24.55	113	39.23	37	103.38	172	46.912	187	27.31	116	53.941	146	56.87	63
11.2	52.089	151	23.42	129	38.86	34	101.66	217	46.725	159	26.15	133	53.795	126	56.24	61
21.1	51.938	113	22.13	138	38.52	29	99.49	258	46.566	120	24.82	144	53.669	96	55.63	56
31.1	51.825	66	20.75	141	38.23	22	96.91	292	46.446	73	23.38	149	53.573	58	55.07	48
Apr. 10.1	51.759	13	19.34	137	38.01	16	93.99	320	46.373	18	21.89	147	53.515	16	54.59	34
20.1	51.746	43	17.97	126	37.85	9	90.79	341	46.355	40	20.42	137	53.499	31	54.25	19
30.0	51.789	102	16.71	111	37.76	1	87.38	354	46.395	99	19.05	123	53.530	80	54.06	0
Mai 10.0	51.891	158	15.60	89	37.75	7	83.84	359	46.494	159	17.82	102	53.610	128	54.06	20
20.0	52.049	212	14.71	65	37.82	15	80.25	356	46.653	214	16.80	78	53.738	174	54.26	40
29.9	52.261	261	14.06	38	37.97	22	76.69	345	46.867	263	16.02	50	53.912	215	54.66	62
Juni 8.9	52.522	302	13.68	9	38.19	29	73.24	325	47.130	306	15.52	21	54.127	252	55.28	82
18.9	52.824	335	13.59	20	38.48	35	69.99	297	47.436	342	15.31	9	54.379	281	56.10	99
28.9	53.159	360	13.79	49	38.83	40	67.02	260	47.778	367	15.40	38	54.660	304	57.09	114
Juli 8.8	53.519	376	14.28	75	39.23	44	64.42	217	48.145	385	15.78	66	54.964	318	58.23	126
18.8	53.895	384	15.03	99	39.67	46	62.25	167	48.530	393	16.44	92	55.282	326	59.49	133
28.8	54.279	384	16.02	121	40.13	49	60.58	111	48.923	393	17.36	114	55.608	326	60.82	136
Aug. 7.8	54.663	376	17.23	138	40.62	48	59.47	53	49.316	387	18.50	135	55.934	320	62.18	136
17.7	55.039	361	18.61	152	41.10	47	58.94	9	49.703	372	19.85	151	56.254	309	63.54	132
27.7	55.400	342	20.13	164	41.57	44	59.03	69	50.075	353	21.36	163	56.563	293	64.86	124
Sept. 6.7	55.742	318	21.77	170	42.01	41	59.72	128	50.428	329	22.99	173	56.856	273	66.10	114
16.6	56.060	291	23.47	174	42.42	36	61.00	184	50.757	301	24.72	179	57.129	249	67.24	102
26.6	56.351	260	25.21	175	42.78	30	62.84	233	51.058	270	26.51	181	57.378	225	68.26	87
Okt. 6.6	56.611	228	26.96	173	43.08	24	65.17	272	51.328	237	28.32	181	57.603	198	69.13	74
16.6	56.839	193	28.69	168	43.32	17	67.89	303	51.565	202	30.13	178	57.801	169	69.87	59
26.5	57.032	157	30.37	161	43.49	9	70.92	322	51.767	164	31.91	172	57.970	139	70.46	46
Nov. 5.5	57.189	118	31.98	151	43.58	2	74.14	328	51.931	124	33.63	163	58.109	108	70.92	33
15.5	57.307	77	33.49	138	43.60	6	77.42	323	52.055	82	35.26	150	58.217	75	71.25	22
25.5	57.384	36	34.87	123	43.54	13	80.65	305	52.137	38	36.76	136	58.292	42	71.47	10
Dez. 5.4	57.420	7	36.10	105	43.41	20	83.70	277	52.175	6	38.12	117	58.334	7	71.57	1
15.4	57.413	50	37.15	83	43.21	26	86.47	238	52.169	50	39.29	95	58.341	28	71.58	10
25.4	57.363	90	37.98	59	42.95	31	88.85	191	52.119	93	40.24	69	58.313	62	71.48	19
35.3	57.273		38.57		42.64		90.76		52.026		40.93		58.251		71.29	
Mittl. Ort	51.102		10.31		39.26		93.89		45.724		12.37		52.766		48.96	
sec δ, tg δ	1.278		+0.796		2.004		−1.736		1.318		+0.858		1.060		+0.352	

Mittlere Zeit Greenw.	117) 12 Eridani AR.		117) 12 Eridani Dekl.		115) 48 H. Cephei AR.		115) 48 H. Cephei Dekl.	
1917	$3^h\ 8^m$		−29° 18′		$3^h\ 9^m$		+77° 25′	
	s		″		s		″	
Jan. 0.4	34.506	126	51.99	152	49.98	60	75.66	190
10.3	34.380	153	53.51	117	49.38	73	77.56	139
20.3	34.227	174	54.68	77	48.65	81	78.95	82
30.3	34.053	189	55.45	36	47.84	87	79.77	23
Feb. 9.3	33.864	195	55.81	5	46.97	89	80.00	37
19.2	33.669	194	55.76	46	46.08	86	79.63	95
März 1.2	33.475	182	55.30	85	45.22	79	78.68	147
11.2	33.293	162	54.45	124	44.43	69	77.21	194
21.1	33.131	133	53.21	159	43.74	56	75.27	233
31.1	32.998	97	51.62	192	43.18	39	72.94	261
Apr. 10.1	32.901	55	49.70	221	42.79	22	70.33	278
20.1	32.846	8	47.49	245	42.57	3	67.55	286
30.0	32.838	41	45.04	265	42.54	17	64.69	283
Mai 10.0	32.879	91	42.39	280	42.71	35	61.86	269
20.0	32.970	138	39.59	287	43.06	53	59.17	248
30.0	33.108	184	36.72	289	43.59	69	56.69	219
Juni 8.9	33.292	224	33.83	284	44.28	84	54.50	183
18.9	33.516	259	30.99	270	45.12	96	52.67	142
28.9	33.775	286	28.29	250	46.08	105	51.25	98
Juli 8.8	34.061	306	25.79	223	47.13	112	50.27	51
18.8	34.367	318	23.56	190	48.25	117	49.76	5
28.8	34.685	324	21.66	150	49.42	119	49.71	43
Aug. 7.8	35.009	320	20.16	106	50.61	119	50.14	88
17.7	35.329	311	19.10	59	51.80	116	51.02	133
27.7	35.640	294	18.51	9	52.96	111	52.35	174
Sept. 6.7	35.934	273	18.42	40	54.07	105	54.09	212
16.7	36.207	246	18.82	88	55.12	96	56.21	245
26.6	36.453	216	19.70	131	56.08	86	58.66	274
Okt. 6.6	36.669	183	21.01	170	56.94	74	61.40	298
16.6	36.852	148	22.71	202	57.68	61	64.38	314
26.5	37.000	111	24.73	225	58.29	46	67.52	326
Nov. 5.5	37.111	74	26.98	239	58.75	31	70.78	329
15.5	37.185	35	29.37	243	59.06	14	74.07	324
25.5	37.220	3	31.80	239	59.20	3	77.31	311
Dez. 5.4	37.217	40	34.19	225	59.17	21	80.42	288
15.4	37.177	76	36.44	203	58.96	37	83.30	257
25.4	37.101	109	38.47	174	58.59	52	85.87	217
35.4	36.992		40.21		58.07		88.04	
Mittl. Ort	32.647		49.36		44.21		53.89	
sec δ, tg δ	1.147		−0.561		4.596		+4.485	

Mittlere Zeit Greenw.	120) α Persei AR.		120) α Persei Dekl.		121) ο Tauri AR.		121) ο Tauri Dekl.	
1917	$3^h\ 18^m$		+49° 34′		$3^h\ 20^m$		+8° 44′	
	s		″		s		″	
Jan. 0.4	25.946	131	17.60	99	22.607	69	22.34	61
10.3	25.815	177	18.59	64	22.538	99	21.73	59
20.3	25.638	214	19.23	27	22.439	123	21.14	56
30.3	25.424	239	19.50	11	22.316	142	20.58	52
Feb. 9.3	25.185	253	19.39	50	22.174	152	20.06	47
19.2	24.932	252	18.89	85	22.022	155	19.59	40
März 1.2	24.680	236	18.04	118	21.867	147	19.19	32
11.2	24.444	207	16.86	145	21.720	129	18.87	21
21.1	24.237	164	15.41	165	21.591	104	18.66	8
31.1	24.073	110	13.76	179	21.487	70	18.58	6
Apr. 10.1	23.963	49	11.97	183	21.417	31	18.64	23
20.1	23.914	18	10.14	182	21.386	14	18.87	42
30.0	23.932	86	8.32	171	21.400	60	19.29	60
Mai 10.0	24.018	155	6.61	155	21.460	106	19.89	79
20.0	24.173	220	5.06	134	21.566	150	20.68	98
30.0	24.393	279	3.72	107	21.716	191	21.66	114
Juni 8.9	24.672	331	2.65	77	21.907	228	22.80	128
18.9	25.003	374	1.88	45	22.135	257	24.08	139
28.9	25.377	407	1.43	12	22.392	281	25.47	146
Juli 8.8	25.784	431	1.31	21	22.673	297	26.93	148
18.8	26.215	445	1.52	52	22.970	307	28.41	147
28.8	26.660	450	2.04	82	23.277	310	29.88	140
Aug. 7.8	27.110	446	2.86	110	23.587	306	31.28	129
17.7	27.556	434	3.96	135	23.893	297	32.57	115
27.7	27.990	416	5.31	156	24.190	284	33.72	96
Sept. 6.7	28.406	393	6.87	174	24.474	266	34.68	77
16.7	28.799	363	8.61	188	24.740	246	35.45	55
26.6	29.162	330	10.49	199	24.986	223	36.00	33
Okt. 6.6	29.492	293	12.48	207	25.209	197	36.33	13
16.6	29.785	253	14.55	211	25.406	171	36.46	7
26.5	30.038	209	16.66	211	25.577	143	36.39	23
Nov. 5.5	30.247	162	18.77	207	25.720	113	36.16	37
15.5	30.409	111	20.84	199	25.833	81	35.79	49
25.5	30.520	59	22.83	186	25.914	49	35.30	56
Dez. 5.4	30.579	3	24.69	168	25.963	15	34.74	60
15.4	30.582	51	26.37	144	25.978	19	34.14	63
25.4	30.531	105	27.81	117	25.959	52	33.51	63
35.4	30.426		28.98		25.907		32.88	
Mittl. Ort	23.325		0.36		20.664		15.08	
sec δ, tg δ	1.542		+1.174		1.012		+0.154	

Mittlere Zeit Greenw.	122) 2 H. Camelop. AR.		122) Dekl.		125) *f* Tauri AR.		125) Dekl.		127) ε Eridani*) AR.		127) Dekl.		131) δ Persei AR.		131) Dekl.	
1917	$3^h\,22^m$		+59° 39′		$3^h\,26^m$		+12° 39′		$3^h\,29^m$		−9° 43′		$3^h\,37^m$		+47° 31′	
Jan. 0.4	23.283 s	188	27.09 ″	140	19.278 s	65	18.87 ″	46	3.049 s	80	76.79 ″	123	3.200 s	105	39.28 ″	102
10.3	23.095	247	28.49	100	19.213	96	18.41	48	2.969	110	78.02	103	3.095	152	40.30	72
20.3	22.848	294	29.49	56	19.117	123	17.93	48	2.859	135	79.05	80	2.943	193	41.02	39
30.3	22.554	326	30.05	9	18.994	143	17.45	49	2.724	152	79.85	57	2.750	223	41.41	3
Feb. 9.3	22.228	342	30.14	39	18.851	154	16.96	48	2.572	163	80.42	32	2.527	240	41.44	32
19.2	21.886	341	29.75	83	18.697	157	16.48	45	2.409	166	80.74	7	2.287	246	41.12	67
März 1.2	21.545	321	28.92	125	18.540	151	16.03	40	2.243	158	80.81	19	2.041	235	40.45	99
11.2	21.224	282	27.67	161	18.389	134	15.63	34	2.085	143	80.62	46	1.806	211	39.46	125
21.2	20.942	228	26.06	189	18.255	108	15.29	25	1.942	118	80.16	71	1.595	175	38.21	147
31.1	20.714	161	24.17	210	18.147	75	15.04	12	1.824	86	79.45	96	1.420	126	36.74	161
Apr. 10.1	20.553	83	22.07	222	18.072	34	14.92	1	1.738	48	78.49	121	1.294	68	35.13	169
20.1	20.470	2	19.85	225	18.038	10	14.93	18	1.690	5	77.28	144	1.226	6	33.44	170
30.0	20.472	88	17.60	219	18.048	56	15.11	36	1.685	40	75.84	165	1.220	60	31.74	163
Mai 10.0	20.560	173	15.41	205	18.104	104	15.47	55	1.725	86	74.19	182	1.280	126	30.11	149
20.0	20.733	256	13.36	185	18.208	148	16.02	73	1.811	130	72.37	197	1.406	190	28.62	132
30.0	20.989	330	11.51	158	18.356	191	16.75	91	1.941	172	70.40	206	1.596	248	27.30	108
Juni 8.9	21.319	397	9.93	126	18.547	227	17.66	106	2.113	208	68.34	212	1.844	301	26.22	82
18.9	21.716	453	8.67	92	18.774	258	18.72	119	2.321	240	66.22	211	2.145	346	25.40	52
28.9	22.169	496	7.75	54	19.032	283	19.91	129	2.561	265	64.11	204	2.491	381	24.88	24
Juli 8.8	22.665	528	7.21	17	19.315	300	21.20	135	2.826	284	62.07	193	2.872	407	24.64	7
18.8	23.193	548	7.04	21	19.615	310	22.55	136	3.110	294	60.14	175	3.279	425	24.71	36
28.8	23.741	558	7.25	58	19.925	314	23.91	133	3.404	300	58.39	152	3.704	433	25.07	64
Aug. 7.8	24.299	555	7.83	94	20.239	311	25.24	126	3.704	299	56.87	123	4.137	433	25.71	89
17.7	24.854	543	8.77	126	20.550	303	26.50	116	4.003	290	55.64	91	4.570	426	26.60	112
27.7	25.397	522	10.03	156	20.853	290	27.66	102	4.293	278	54.73	56	4.996	412	27.72	132
Sept. 6.7	25.919	495	11.59	183	21.143	274	28.68	85	4.571	261	54.17	20	5.408	393	29.04	150
16.7	26.414	459	13.42	206	21.417	254	29.53	68	4.832	240	53.97	17	5.801	368	30.54	163
26.6	26.873	418	15.48	225	21.671	231	30.21	48	5.072	217	54.14	51	6.169	339	32.17	175
Okt. 6.6	27.291	372	17.73	239	21.902	206	30.69	31	5.289	191	54.65	84	6.508	307	33.92	184
16.6	27.663	319	20.12	250	22.108	181	31.00	14	5.480	164	55.49	112	6.815	270	35.76	188
26.5	27.982	261	22.62	256	22.289	152	31.14	2	5.644	134	56.61	134	7.085	230	37.64	190
Nov. 5.5	28.243	199	25.18	256	22.441	122	31.12	15	5.778	102	57.95	150	7.315	185	39.54	189
15.5	28.442	131	27.74	249	22.563	91	30.97	25	5.880	71	59.45	159	7.500	137	41.43	184
25.5	28.573	62	30.23	238	22.654	57	30.72	33	5.951	37	61.04	162	7.637	86	43.27	174
Dez. 5.4	28.635	11	32.61	219	22.711	23	30.39	40	5.988	3	62.66	158	7.723	33	45.01	160
15.4	28.624	83	34.80	194	22.734	13	29.99	44	5.991	31	64.24	149	7.756	23	46.61	141
25.4	28.541	153	36.74	162	22.721	48	29.55	46	5.960	65	65.73	136	7.733	77	48.02	118
35.4	28.388		38.36		22.673		29.09		5.895		67.09		7.656		49.20	
Mittl. Ort	20.114		8.32		17.279		10.72		1.153		78.91		0.494		23.55	
sec δ, tg δ	1.979		+1.708		1.025		+0.224		1.015		−0.172		1.481		+1.092	

*) Die jährliche Parallaxe (0.″32) ist bereits berücksichtigt.

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	134) ν Persei				138) 5 H. Camelop.				139) η Tauri				141) β Reticuli			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	3h 39m		+42° 19′		3h 41m		+71° 4′		3h 42m		+23° 50′		3h 43m		−65° 3′	
Jan. 0.4	35.515 s	87	17.08″	82	39.15 s	31	60.06″	198	35.043 s	58	68.09″	1	12.04 s	38	72.24″	208
10.3	35.428	131	17.90	55	38.84	40	62.04	155	34.985	94	68.10	9	11.66	44	74.32	158
20.3	35.297	169	18.45	27	38.44	48	63.59	106	34.891	126	68.01	20	11.22	48	75.90	101
30.3	35.128	198	18.72	4	37.96	54	64.65	52	34.765	150	67.81	31	10.74	51	76.91	43
Feb. 9.3	34.930	215	18.68	34	37.42	57	65.17	3	34.615	166	67.50	42	10.23	53	77.34	14
19.2	34.715	221	18.34	63	36.85	58	65.14	57	34.449	172	67.08	52	9.70	52	77.20	70
März 1.2	34.494	212	17.71	90	36.27	55	64.57	109	34.277	167	66.56	59	9.18	51	76.50	125
11.2	34.282	192	16.81	112	35.72	49	63.48	155	34.110	152	65.97	64	8.67	47	75.25	174
21.2	34.090	158	15.69	129	35.23	42	61.93	195	33.958	126	65.33	66	8.20	43	73.51	220
31.1	33.932	115	14.40	141	34.81	33	59.98	226	33.832	91	64.67	63	7.77	37	71.31	260
Apr. 10.1	33.817	63	12.99	146	34.48	21	57.72	249	33.741	50	64.04	57	7.40	29	68.71	294
20.1	33.754	5	11.53	143	34.27	8	55.23	261	33.691	4	63.47	46	7.11	21	65.77	322
30.0	33.749	55	10.10	136	34.19	4	52.62	264	33.687	47	63.01	33	6.90	13	62.55	341
Mai 10.0	33.804	117	8.74	123	34.23	18	49.98	257	33.734	96	62.68	16	6.77	3	59.14	353
20.0	33.921	175	7.51	104	34.41	30	47.41	242	33.830	145	62.52	1	6.74	5	55.61	358
30.0	34.096	229	6.47	82	34.71	42	44.99	219	33.975	190	62.53	20	6.79	15	52.03	354
Juni 8.9	34.325	278	5.65	57	35.13	53	42.80	190	34.165	230	62.73	40	6.94	24	48.49	340
18.9	34.603	319	5.08	30	35.66	62	40.90	157	34.395	265	63.13	57	7.18	31	45.09	318
28.9	34.922	352	4.78	4	36.28	70	39.33	118	34.660	292	63.70	74	7.49	39	41.91	288
Juli 8.9	35.274	377	4.74	23	36.98	75	38.15	78	34.952	313	64.44	87	7.88	45	39.03	249
18.8	35.651	392	4.97	48	37.73	79	37.37	35	35.265	325	65.31	98	8.33	49	36.54	203
28.8	36.043	401	5.45	71	38.52	83	37.02	7	35.590	332	66.29	106	8.82	53	34.51	150
Aug. 7.8	36.444	400	6.16	93	39.35	83	37.09	49	35.922	332	67.35	109	9.35	55	33.01	92
17.7	36.844	394	7.09	111	40.18	83	37.58	90	36.254	326	68.44	111	9.90	55	32.09	31
27.7	37.238	381	8.20	127	41.01	80	38.48	129	36.580	315	69.55	108	10.45	54	31.78	32
Sept. 6.7	37.619	363	9.47	139	41.81	77	39.77	164	36.895	301	70.63	102	10.99	51	32.10	94
16.7	37.982	342	10.86	149	42.58	73	41.41	198	37.196	282	71.65	95	11.50	47	33.04	155
26.6	38.324	315	12.35	156	43.31	67	43.39	226	37.478	261	72.60	87	11.97	42	34.59	210
Okt. 6.6	38.639	286	13.91	160	43.98	60	45.65	252	37.739	237	73.47	77	12.39	35	36.69	257
16.6	38.925	252	15.51	163	44.58	52	48.17	271	37.976	210	74.24	67	12.74	27	39.26	296
26.6	39.177	217	17.14	162	45.10	43	50.88	286	38.186	182	74.91	58	13.01	18	42.22	324
Nov. 5.5	39.394	176	18.76	160	45.53	33	53.74	294	38.368	151	75.49	49	13.19	10	45.46	340
15.5	39.570	134	20.36	153	45.86	23	56.68	295	38.519	117	75.98	40	13.29	0	48.86	344
25.5	39.704	87	21.89	144	46.09	11	59.63	289	38.636	80	76.38	32	13.29	9	52.30	334
Dez. 5.4	39.791	38	23.33	132	46.20	2	62.52	275	38.716	42	76.70	24	13.20	18	55.64	313
15.4	39.829	11	24.65	115	46.18	13	65.27	252	38.758	2	76.94	15	13.02	26	58.77	281
25.4	39.818	62	25.80	94	46.05	24	67.79	219	38.760	37	77.09	6	12.76	34	61.58	240
35.4	39.756		26.74		45.81		69.98		38.723		77.15		12.42		63.98	
Mittl. Ort	32.959		2.52		34.36		41.19		32.843		57.73		9.23		64.89	
sec δ, tg δ	1.352		+0.910		3.084		+2.917		1.093		+0.442		2.372		−2.151	

Mittlere Zeit Greenw.	140) τ⁶ Eridani AR.		Dekl.		143) g Eridani AR.		Dekl.		146) γ Hydri AR.		Dekl.		144) ζ Persei AR.		Dekl.	
1917	3h 43m		−23° 29′		3h 46m		−36° 26′		3h 48m		−74° 29′		3h 48m		+31° 38′	
Jan. 0.4	18.537	93	39.93	171	22.931	128	67.20	199	34.42	66	45.05	206	57.006	60	29.03	38
10.3	18.444	125	41.64	141	22.803	164	69.19	160	33.76	75	47.11	154	56.946	101	29.41	22
20.3	18.319	152	43.05	108	22.639	194	70.79	117	33.01	82	48.65	98	56.845	135	29.63	3
30.3	18.167	174	44.13	71	22.445	216	71.96	71	32.19	87	49.63	39	56.710	162	29.66	15
Feb. 9.3	17.993	187	44.84	33	22.229	230	72.67	24	31.32	88	50.02	19	56.548	180	29.51	34
19.2	17.806	191	45.17	3	21.999	235	72.91	22	30.44	88	49.83	75	56.368	188	29.17	53
März 1.2	17.615	187	45.14	41	21.764	229	72.69	68	29.56	86	49.08	129	56.180	184	28.64	69
11.2	17.428	173	44.73	77	21.535	213	72.01	112	28.70	79	47.79	179	55.996	168	27.95	81
21.2	17.255	149	43.96	112	21.322	187	70.89	152	27.91	73	46.00	224	55.828	141	27.14	90
31.1	17.106	119	42.84	144	21.135	154	69.37	190	27.18	64	43.76	262	55.687	104	26.24	94
Apr. 10.1	16.987	80	41.40	175	20.981	112	67.47	223	26.54	53	41.14	296	55.583	60	25.30	94
20.1	16.907	36	39.65	202	20.869	64	65.24	253	26.01	40	38.18	323	55.523	11	24.36	88
30.0	16.871	10	37.63	224	20.805	14	62.71	276	25.61	28	34.95	342	55.512	42	23.48	78
Mai 10.0	16.881	57	35.39	242	20.791	38	59.95	293	25.33	14	31.53	353	55.554	96	22.70	64
20.0	16.938	104	32.97	255	20.829	91	57.02	304	25.19	0	28.00	356	55.650	148	22.06	47
30.0	17.042	150	30.42	262	20.920	141	53.98	308	25.19	14	24.44	351	55.798	196	21.59	27
Juni 8.9	17.192	191	27.80	263	21.061	188	50.90	304	25.33	28	20.93	337	55.994	240	21.32	6
18.9	17.383	226	25.17	257	21.249	230	47.86	292	25.61	41	17.56	314	56.234	277	21.26	14
28.9	17.609	256	22.60	243	21.479	265	44.94	272	26.02	52	14.42	283	56.511	307	21.40	35
Juli 8.9	17.865	280	20.17	223	21.744	294	42.22	245	26.54	63	11.59	244	56.818	329	21.75	54
18.8	18.145	297	17.94	196	22.038	316	39.77	210	27.17	70	9.15	197	57.147	345	22.29	71
28.8	18.442	306	15.98	163	22.354	329	37.67	169	27.87	77	7.18	145	57.492	353	23.00	84
Aug. 7.8	18.748	308	14.35	124	22.683	334	35.98	121	28.64	81	5.73	87	57.845	354	23.84	96
17.7	19.056	305	13.11	81	23.017	332	34.77	71	29.45	82	4.86	25	58.199	349	24.80	105
27.7	19.361	295	12.30	36	23.349	323	34.06	16	30.27	81	4.61	38	58.548	340	25.85	110
Sept. 6.7	19.656	280	11.94	12	23.672	307	33.90	39	31.08	78	4.99	100	58.888	324	26.95	112
16.7	19.936	261	12.06	58	23.979	285	34.29	92	31.86	71	5.99	159	59.212	306	28.07	113
26.6	20.197	237	12.64	103	24.264	259	35.21	144	32.57	63	7.58	215	59.518	285	29.20	111
Okt. 6.6	20.434	210	13.67	143	24.523	226	36.65	188	33.20	52	9.73	263	59.803	260	30.31	108
16.6	20.644	180	15.10	177	24.749	191	38.53	227	33.72	39	12.36	300	60.063	232	31.39	104
26.6	20.824	149	16.87	204	24.940	153	40.80	256	34.11	25	15.36	327	60.295	202	32.43	99
Nov. 5.5	20.973	114	18.91	223	25.093	111	43.36	276	34.36	11	18.63	343	60.497	169	33.42	93
15.5	21.087	78	21.14	233	25.204	68	46.12	285	34.47	5	22.06	345	60.666	132	34.35	87
25.5	21.165	40	23.47	235	25.272	24	48.97	284	34.42	19	25.51	335	60.798	93	35.22	79
Dez. 5.4	21.205	2	25.82	227	25.296	21	51.81	272	34.23	34	28.86	313	60.891	50	36.01	70
15.4	21.207	36	28.09	212	25.275	65	54.53	252	33.89	48	31.99	280	60.941	6	36.71	58
25.4	21.171	73	30.21	189	25.210	106	57.05	222	33.41	60	34.79	238	60.947	37	37.29	46
35.4	21.098		32.10		25.104		59.27		32.81		37.17		60.910		37.75	
Mittl. Ort	16.562		39.02		20.872		63.78		30.59		37.37		54.644		17.22	
sec δ, tg δ	1.090		−0.435		1.243		−0.739		3.741		−3.604		1.175		+0.616	

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	145) 9 H. Camelop. AR.		Dekl.		147) ε Persei AR.		Dekl.		148) ξ Persei AR.		Dekl.		149) γ Eridani AR.		Dekl.	
	$3^h\ 50^m$		+60° 51′		$3^h\ 52^m$		+39° 46′		$3^h\ 53^m$		+35° 33′		$3^h\ 54^m$		−13° 44′	
1917	s		″		s		″		s		″		s		″	
Jan. 0.4	6.47	16	78.12	166	19.310	69	29.31	76	36.991	61	24.38	58	11.363	67	36.96	149
10.4	6.31	23	79.78	129	19.241	115	30.07	54	36.930	104	24.96	38	11.296	100	38.45	127
20.3	6.08	28	81.07	88	19.126	153	30.61	28	36.826	141	25.34	17	11.196	129	39.72	101
30.3	5.80	33	81.95	42	18.973	184	30.89	2	36.685	171	25.51	5	11.067	153	40.73	74
Feb. 9.3	5.47	36	82.37	5	18.789	204	30.91	25	36.514	190	25.46	28	10.914	168	41.47	44
19.2	5.11	36	82.32	51	18.585	213	30.66	52	36.324	199	25.18	50	10.746	175	41.91	15
März 1.2	4.75	36	81.81	96	18.372	208	30.14	77	36.125	196	24.68	71	10.571	173	42.06	14
11.2	4.39	32	80.85	135	18.164	191	29.37	97	35.929	179	23.97	87	10.398	161	41.92	44
21.2	4.07	27	79.50	169	17.973	161	28.40	114	35.750	152	23.10	101	10.237	140	41.48	73
31.1	3.80	21	77.81	196	17.812	121	27.26	125	35.598	114	22.09	108	10.097	111	40.75	101
Apr. 10.1	3.59	14	75.85	214	17.691	73	26.01	131	35.484	69	21.01	111	9.986	75	39.74	127
20.1	3.45	5	73.71	223	17.618	18	24.70	129	35.415	17	19.90	108	9.911	34	38.47	153
30.1	3.40	3	71.48	224	17.600	39	23.41	123	35.398	38	18.82	100	9.877	11	36.94	175
Mai 10.0	3.43	13	69.24	217	17.639	99	22.18	111	35.436	94	17.82	87	9.888	56	35.19	193
20.0	3.56	21	67.07	203	17.738	156	21.07	94	35.530	148	16.95	71	9.944	102	33.26	209
30.0	3.77	30	65.04	181	17.894	209	20.13	75	35.678	198	16.24	52	10.046	145	31.17	220
Juni 8.9	4.07	37	63.23	155	18.103	257	19.38	53	35.876	245	15.72	30	10.191	184	28.97	224
18.9	4.44	43	61.68	125	18.360	298	18.85	28	36.121	284	15.42	9	10.375	219	26.73	224
28.9	4.87	48	60.43	91	18.658	332	18.57	4	36.405	315	15.33	14	10.594	248	24.49	217
Juli 8.9	5.35	53	59.52	55	18.990	358	18.53	19	36.720	340	15.47	35	10.842	270	22.32	203
18.8	5.88	55	58.97	19	19.348	375	18.72	42	37.060	357	15.82	54	11.112	286	20.29	185
28.8	6.43	57	58.78	17	19.723	385	19.14	64	37.417	366	16.36	72	11.398	296	18.44	159
Aug. 7.8	7.00	58	58.95	53	20.108	387	19.78	82	37.783	369	17.08	86	11.694	300	16.85	129
17.8	7.58	57	59.48	87	20.495	383	20.60	98	38.152	364	17.94	99	11.994	297	15.56	93
27.7	8.15	56	60.35	118	20.878	373	21.58	111	38.516	355	18.93	108	12.291	288	14.63	56
Sept. 6.7	8.71	54	61.53	147	21.251	358	22.69	121	38.871	341	20.01	114	12.579	276	14.07	15
16.7	9.25	51	63.00	173	21.609	339	23.90	130	39.212	322	21.15	119	12.855	260	13.92	25
26.6	9.76	48	64.73	196	21.948	316	25.20	136	39.534	301	22.34	121	13.115	239	14.17	64
Okt. 6.6	10.24	43	66.69	216	22.264	289	26.56	140	39.835	276	23.55	121	13.354	216	14.81	100
16.6	10.67	38	68.85	232	22.553	259	27.96	141	40.111	247	24.76	120	13.570	190	15.81	131
26.6	11.05	32	71.17	242	22.812	225	29.37	141	40.358	216	25.96	118	13.760	162	17.12	157
Nov. 5.5	11.37	26	73.59	248	23.037	188	30.78	139	40.574	181	27.14	114	13.922	131	18.69	176
15.5	11.63	19	76.07	248	23.225	147	32.17	135	40.755	142	28.28	109	14.053	97	20.45	187
25.5	11.82	12	78.55	243	23.372	103	33.52	127	40.897	101	29.37	102	14.150	63	22.32	192
Dez. 5.5	11.94	4	80.98	231	23.475	55	34.79	118	40.998	56	30.39	93	14.213	26	24.24	188
15.4	11.98	4	83.29	211	23.530	6	35.97	104	41.054	10	31.32	81	14.239	10	26.12	178
25.4	11.94	11	85.40	184	23.536	44	37.01	87	41.064	37	32.13	66	14.229	48	27.90	163
35.4	11.83		87.24		23.492		37.88		41.027		32.79		14.181		29.53	
Mittl. Ort	2.89		61.13		16.740		16.02		34.519		12.01		9.360		38.21	
sec δ, tg δ	2.054		+1.794		1.301		+0.832		1.229		+0.715		1.029		−0.245	

Mittlere Zeit Greenw.	150) λ Tauri AR.	Δ	150) λ Tauri Dekl.	Δ	151) ν Tauri AR.	Δ	151) ν Tauri Dekl.	Δ	152) c Persei AR.	Δ	152) c Persei Dekl.	Δ	154) o¹ Eridani AR.	Δ	154) o¹ Eridani Dekl.	Δ
1917	3h 56m		+12° 15'		3h 58m		+5° 45'		4h 2m		+47° 29'		4h 7m		−7° 2'	
Jan. 0.4	6.897	46	31.16	48	46.451	46	40.85	76	40.700	77	45.32	116	50.841	50	69.08	131
10.4	6.851	81	30.68	48	46.405	81	40.09	71	40.623	130	46.48	90	50.791	85	70.39	114
20.3	6.770	112	30.20	47	46.324	111	39.38	62	40.493	176	47.38	59	50.706	116	71.53	94
30.3	6.658	138	29.73	44	46.213	136	38.76	54	40.317	213	47.97	27	50.590	141	72.47	73
Feb. 9.3	6.520	155	29.29	43	46.077	154	38.22	45	40.104	238	48.24	8	50.449	160	73.20	50
19.2	6.365	163	28.86	39	45.923	162	37.77	35	39.866	249	48.16	42	50.289	169	73.70	27
März 1.2	6.202	162	28.47	35	45.761	161	37.42	23	39.617	246	47.74	75	50.120	169	73.97	3
11.2	6.040	149	28.12	29	45.600	150	37.19	11	39.371	229	46.99	104	49.951	160	74.00	21
21.2	5.891	128	27.83	20	45.450	129	37.08	2	39.142	197	45.95	128	49.791	141	73.79	45
31.1	5.763	98	27.63	10	45.321	100	37.10	18	38.945	153	44.67	147	49.650	113	73.34	69
Apr. 10.1	5.665	60	27.53	2	45.221	63	37.28	34	38.792	100	43.20	158	49.537	79	72.65	93
20.1	5.605	18	27.55	16	45.158	23	37.62	52	38.692	39	41.62	164	49.458	39	71.72	116
30.1	5.587	28	27.71	33	45.135	22	38.14	69	38.653	26	39.98	162	49.419	4	70.56	136
Mai 10.0	5.615	75	28.04	49	45.157	68	38.83	86	38.679	92	38.36	154	49.423	49	69.20	155
20.0	5.690	121	28.53	66	45.225	113	39.69	103	38.771	155	36.82	141	49.472	94	67.65	172
30.0	5.811	163	29.19	82	45.338	155	40.72	118	38.926	217	35.41	122	49.566	137	65.93	184
Juni 8.9	5.974	203	30.01	96	45.493	194	41.90	129	39.143	272	34.19	100	49.703	176	64.09	191
18.9	6.177	237	30.97	108	45.687	227	43.19	138	39.415	320	33.19	75	49.879	211	62.18	195
28.9	6.414	264	32.05	116	45.914	255	44.57	143	39.735	360	32.44	48	50.090	240	60.23	193
Juli 8.9	6.678	285	33.21	121	46.169	276	46.00	144	40.095	391	31.96	20	50.330	263	58.30	184
18.8	6.963	299	34.42	123	46.445	292	47.44	139	40.486	413	31.76	7	50.593	280	56.46	171
28.8	7.262	308	35.65	119	46.737	300	48.83	131	40.899	427	31.83	32	50.873	291	54.75	151
Aug. 7.8	7.570	310	36.84	113	47.037	302	50.14	117	41.326	433	32.15	58	51.164	296	53.24	127
17.8	7.880	307	37.97	101	47.339	300	51.31	101	41.759	431	32.73	81	51.460	294	51.97	98
27.7	8.187	298	38.98	88	47.639	292	52.32	80	42.190	422	33.54	101	51.754	289	50.99	65
Sept. 6.7	8.485	286	39.86	71	47.931	280	53.12	57	42.612	409	34.55	120	52.043	279	50.34	31
16.7	8.771	270	40.57	53	48.211	265	53.69	33	43.021	389	35.75	135	52.322	264	50.03	4
26.7	9.041	252	41.10	35	48.476	247	54.02	9	43.410	364	37.10	148	52.586	247	50.07	39
Okt. 6.6	9.293	231	41.45	17	48.723	226	54.11	14	43.774	336	38.58	159	52.833	227	50.46	71
16.6	9.524	207	41.62	0	48.949	203	53.97	35	44.110	303	40.17	168	53.060	203	51.17	100
26.6	9.731	180	41.62	15	49.152	177	53.62	52	44.413	266	41.85	173	53.263	177	52.17	125
Nov. 5.5	9.911	152	41.47	27	49.329	149	53.10	67	44.679	223	43.58	176	53.440	148	53.42	142
15.5	10.063	121	41.20	37	49.478	118	52.43	78	44.902	175	45.34	175	53.588	116	54.84	155
25.5	10.184	86	40.83	43	49.596	84	51.65	83	45.077	124	47.09	170	53.704	82	56.39	160
Dez. 5.5	10.270	50	40.40	47	49.680	48	50.82	86	45.201	69	48.79	162	53.786	46	57.99	159
15.4	10.320	12	39.93	50	49.728	11	49.96	85	45.270	11	50.41	147	53.832	9	59.58	153
25.4	10.332	26	39.43	50	49.739	26	49.11	81	45.281	46	51.88	129	53.841	30	61.11	142
35.4	10.306		38.93		49.713		48.30		45.235		53.17		53.811		62.53	
Mittl. Ort	4.764		24.02		44.359		35.27		37.799		31.30		48.778		71.67	
sec δ, tg δ	1.023		+0.217		1.005		+0.101		1.480		+1.091		1.008		−0.124	

Mittlere Zeit Greenw.	155) α Horologii AR.		155) α Horologii Dekl.		156) α Reticuli AR.		156) α Reticuli Dekl.		160) υ^4 Eridani AR.		160) υ^4 Eridani Dekl.		162) δ Tauri AR.		162) δ Tauri Dekl.	
1917	$4^h\ 11^m$		$-42°\ 29'$		$4^h\ 13^m$		$-62°\ 40'$		$4^h\ 14^m$		$-33°\ 59'$		$4^h\ 18^m$		$+17°\ 20'$	
Jan. 0.4	$17^s.180$	135	$58''.59$	232	$23^s.91$	30	$58''.68$	247	$47^s.251$	99	$63''.92$	218	$11^s.035$	29	$62''.99$	25
10.4	17.045	177	60.91	192	23.61	37	61.15	199	47.152	138	66.10	184	11.006	69	62.74	27
20.3	16.868	214	62.83	147	23.24	41	63.14	148	47.014	173	67.94	144	10.937	104	62.47	29
30.3	16.654	243	64.30	99	22.83	46	64.62	92	46.841	201	69.38	100	10.833	134	62.18	31
Feb. 9.3	16.411	262	65.29	48	22.37	48	65.54	35	46.640	220	70.38	55	10.699	156	61.87	34
19.3	16.149	271	65.77	$\overline{1}$	21.89	49	65.89	$\overline{22}$	46.420	231	70.93	11	10.543	168	61.53	36
März 1.2	15.878	269	65.76	51	21.40	48	65.67	77	46.189	230	71.04	$\overline{35}$	10.375	170	61.17	37
11.2	15.609	257	65.25	99	20.92	46	64.90	129	45.959	219	70.69	79	10.205	162	60.80	37
21.2	15.352	233	64.26	144	20.46	43	63.61	178	45.740	200	69.90	121	10.043	142	60.43	34
31.1	15.119	201	62.82	184	20.03	38	61.83	221	45.540	170	68.69	159	9.901	114	60.09	29
Apr. 10.1	14.918	159	60.98	222	19.65	32	59.62	260	45.370	132	67.10	194	9.787	78	59.80	22
20.1	14.759	111	58.76	255	19.33	24	57.02	294	45.238	88	65.16	226	9.709	36	59.58	12
30.1	14.648	59	56.21	281	19.09	17	54.08	319	45.150	41	62.90	252	9.673	$\overline{10}$	59.46	$\overline{1}$
Mai 10.0	14.589	3	53.40	301	18.92	9	50.89	338	45.109	$\overline{10}$	60.38	274	9.683	57	59.47	14
20.0	14.586	$\overline{53}$	50.39	315	18.83	0	47.51	349	45.119	61	57.64	288	9.740	104	59.61	29
30.0	14.639	108	47.24	321	18.83	8	44.02	351	45.180	110	54.76	296	9.844	149	59.90	44
Juni 9.0	14.747	160	44.03	319	18.91	17	40.51	345	45.290	158	51.80	298	9.993	190	60.34	59
18.9	14.907	209	40.84	308	19.08	24	37.06	330	45.448	200	48.82	290	10.183	226	60.93	71
28.9	15.116	251	37.76	289	19.32	32	33.76	305	45.648	238	45.92	275	10.409	257	61.64	82
Juli 8.9	15.367	287	34.87	263	19.64	38	30.71	273	45.886	270	43.17	252	10.666	280	62.46	90
18.8	15.654	315	32.24	228	20.02	42	27.98	232	46.156	293	40.65	222	10.946	298	63.36	95
28.8	15.969	336	29.96	185	20.44	47	25.66	183	46.449	311	38.43	184	11.244	310	64.31	96
Aug. 7.8	16.305	348	28.11	137	20.91	50	23.83	128	46.760	322	36.59	141	11.554	315	65.27	94
17.8	16.653	353	26.74	83	21.41	51	22.55	68	47.082	325	35.18	92	11.869	315	66.21	88
27.7	17.006	349	25.91	26	21.92	51	21.87	6	47.407	321	34.26	39	12.184	310	67.09	80
Sept. 6.7	17.355	337	25.65	$\overline{32}$	22.43	49	21.81	$\overline{58}$	47.728	311	33.87	$\overline{15}$	12.494	301	67.89	68
16.7	17.692	319	25.97	90	22.92	47	22.39	120	48.039	296	34.02	69	12.795	289	68.57	55
26.7	18.011	295	26.87	145	23.39	43	23.59	179	48.335	275	34.71	122	13.084	273	69.12	42
Okt. 6.6	18.306	263	28.32	195	23.82	37	25.38	233	48.610	248	35.93	169	13.357	254	69.54	28
16.6	18.569	226	30.27	239	24.19	31	27.71	278	48.858	218	37.62	211	13.611	232	69.82	16
26.6	18.795	186	32.66	273	24.50	24	30.49	313	49.076	183	39.73	244	13.843	208	69.98	4
Nov. 5.5	18.981	141	35.39	298	24.74	15	33.62	336	49.259	145	42.17	269	14.051	179	70.02	$\overline{5}$
15.5	19.122	93	38.37	311	24.89	8	36.98	349	49.404	104	44.86	283	14.230	148	69.97	12
25.5	19.215	43	41.48	313	24.97	$\overline{1}$	40.47	347	49.508	61	47.69	287	14.378	114	69.85	18
Dez. 5.5	19.258	$\overline{9}$	44.61	303	24.96	10	43.94	333	49.569	15	50.56	280	14.492	75	69.67	21
15.4	19.249	59	47.64	284	24.86	18	47.27	309	49.584	$\overline{30}$	53.36	265	14.567	34	69.46	24
25.4	19.190	108	50.48	256	24.68	27	50.36	274	49.554	74	56.01	239	14.601	$\overline{6}$	69.22	26
35.4	19.082		53.04		24.41		53.10		49.480		58.40		14.595		68.96	
Mittl. Ort	14.964		54.82		21.10		52.82		45.115		61.49		8.755		55.58	
sec δ, tg δ	1.356		−0.916		2.179		−1.936		1.206		−0.675		1.048		+0.312	

Mittlere Zeit Greenw.	164) ε Tauri AR.		164) ε Tauri Dekl.		168) α Tauri AR.		168) α Tauri Dekl.		169) ν Eridani AR.		169) ν Eridani Dekl.		171) α Doradus AR.		171) α Doradus Dekl.	
	$4^h\ 23^m$		+18° 59′		$4^h\ 31^m$		+16° 20′		$4^h\ 32^m$		−3° 30′		$4^h\ 32^m$		−55° 12′	
1917																
Jan. 0.4	48.400	25	57.85	17	11.677	18	42.84	30	12.400	29	73.89	126	14.735	194	62.14	267
10.4	48.375	65	57.68	19	11.659	60	42.54	31	12.371	67	75.15	111	14.541	251	64.81	223
20.4	48.310	102	57.49	23	11.599	97	42.23	31	12.304	101	76.26	94	14.290	300	67.04	175
30.3	48.208	133	57.26	26	11.502	129	41.92	32	12.203	131	77.20	76	13.990	338	68.79	124
Feb. 9.3	48.075	156	57.00	31	11.373	152	41.60	32	12.072	154	77.96	56	13.652	366	70.03	68
19.3	47.919	170	56.69	34	11.221	168	41.28	33	11.918	168	78.52	36	13.286	381	70.71	14
März 1.2	47.749	173	56.35	37	11.053	172	40.95	33	11.750	171	78.88	15	12.905	382	70.85	40
11.2	47.576	165	55.98	38	10.881	165	40.62	32	11.579	166	79.03	6	12.523	370	70.45	93
21.2	47.411	146	55.60	37	10.716	149	40.30	29	11.413	151	78.97	27	12.153	345	69.52	143
31.2	47.265	119	55.23	35	10.567	122	40.01	23	11.262	126	78.70	48	11.808	308	68.09	188
Apr. 10.1	47.146	83	54.88	29	10.445	88	39.78	17	11.136	94	78.22	70	11.500	262	66.21	230
20.1	47.063	41	54.59	20	10.357	47	39.61	7	11.042	57	77.52	90	11.238	206	63.91	265
30.1	47.022	5	54.39	9	10.310	2	39.54	4	10.985	14	76.62	110	11.032	143	61.26	295
Mai 10.1	47.027	52	54.30	4	10.308	44	39.58	17	10.971	30	75.52	129	10.889	76	58.31	319
20.0	47.079	100	54.34	17	10.352	90	39.75	32	11.001	75	74.23	145	10.813	7	55.12	334
30.0	47.179	146	54.51	33	10.442	136	40.07	45	11.076	117	72.78	158	10.806	62	51.78	341
Juni 9.0	47.325	187	54.84	46	10.578	177	40.52	58	11.193	157	71.20	168	10.868	131	48.37	340
18.9	47.512	224	55.30	60	10.755	214	41.10	70	11.350	193	69.52	172	10.999	195	44.97	330
28.9	47.736	255	55.90	71	10.969	245	41.80	80	11.543	224	67.80	173	11.194	253	41.67	311
Juli 8.9	47.991	280	56.61	80	11.214	271	42.60	87	11.767	250	66.07	168	11.447	305	38.56	284
18.9	48.271	299	57.41	86	11.485	290	43.47	90	12.017	269	64.39	157	11.752	350	35.72	247
28.8	48.570	310	58.27	88	11.775	303	44.37	91	12.286	283	62.82	142	12.102	384	33.25	203
Aug. 7.8	48.880	317	59.15	87	12.078	310	45.28	87	12.569	291	61.40	122	12.486	408	31.22	151
17.8	49.197	318	60.02	84	12.388	313	46.15	81	12.860	293	60.18	96	12.894	424	29.71	95
27.7	49.515	314	60.86	76	12.701	310	46.96	71	13.153	292	59.22	67	13.318	427	28.76	34
Sept. 6.7	49.829	306	61.62	67	13.011	303	47.67	59	13.445	285	58.55	36	13.745	421	28.42	28
16.7	50.135	294	62.29	55	13.314	292	48.26	45	13.730	274	58.19	3	14.166	403	28.70	92
26.7	50.429	279	62.84	44	13.606	278	48.71	31	14.004	261	58.16	29	14.569	375	29.62	152
Okt. 6.6	50.708	261	63.28	32	13.884	262	49.02	17	14.265	244	58.45	60	14.944	338	31.14	207
16.6	50.969	239	63.60	21	14.146	241	49.19	3	14.509	224	59.05	88	15.282	293	33.21	256
26.6	51.208	215	63.81	10	14.387	218	49.22	8	14.733	200	59.93	111	15.575	239	35.77	296
Nov. 5.6	51.423	188	63.91	2	14.605	191	49.14	17	14.933	173	61.04	129	15.814	180	38.73	324
15.5	51.611	155	63.93	4	14.796	160	48.97	23	15.106	143	62.33	142	15.994	115	41.97	341
25.5	51.766	120	63.89	9	14.956	125	48.74	29	15.249	109	63.75	148	16.109	48	45.38	346
Dez. 5.5	51.886	82	63.80	12	15.081	87	48.45	31	15.358	72	65.23	149	16.157	22	48.84	338
15.4	51.968	41	63.68	15	15.168	47	48.14	32	15.430	33	66.72	145	16.135	91	52.22	320
25.4	52.009	2	63.53	17	15.215	4	47.82	32	15.463	6	68.17	134	16.044	157	55.42	290
35.4	52.007		63.36		15.219		47.50		15.457		69.51		15.887		58.32	
Mittl. Ort	46.077		50.37		9.361		36.19		10.246		76.84		12.170		57.68	
sec δ, tg δ	1.058		+0.344		1.042		+0.293		1.002		−0.062		1.753		−1.440	

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	172) 53 Eridani				174) τ Tauri				173) Gr. 848				175) 4 Camelop.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	4h 34m		−14° 27′		4h 37m		+22° 47′		4h 37m		+75° 47′		4h 41m		+56° 36′	
Jan. 0.4	24.820 s	39	55.07 ″	173	18.115 s	13	62.83 ″	3	45.54 s	25	46.88 ″	253	8.673 s	56	52.43 ″	176
10.4	24.781	79	56.80	150	18.102	58	62.86	1	45.29	41	49.41	219	8.617	129	54.19	151
20.4	24.702	114	58.30	125	18.044	97	62.85	7	44.88	55	51.60	178	8.488	194	55.70	120
30.3	24.588	144	59.55	97	17.947	131	62.78	13	44.33	65	53.38	129	8.294	249	56.90	85
Feb. 9.3	24.444	166	60.52	67	17.816	158	62.65	20	43.68	74	54.67	76	8.045	291	57.75	45
19.3	24.278	180	61.19	37	17.658	174	62.45	27	42.94	78	55.43	19	7.754	316	58.20	4
März 1.3	24.098	185	61.56	5	17.484	179	62.18	34	42.16	79	55.62	37	7.438	324	58.24	38
11.2	23.913	178	61.61	25	17.305	174	61.84	40	41.37	76	55.25	91	7.114	312	57.86	77
21.2	23.735	164	61.36	55	17.131	157	61.44	44	40.61	69	54.34	142	6.802	285	57.09	114
31.2	23.571	140	60.81	84	16.974	131	61.00	45	39.92	60	52.92	185	6.517	241	55.95	145
Apr. 10.1	23.431	107	59.97	112	16.843	95	60.55	43	39.32	47	51.07	222	6.276	184	54.50	169
20.1	23.324	69	58.85	139	16.748	53	60.12	39	38.85	32	48.85	249	6.092	116	52.81	187
30.1	23.255	28	57.46	162	16.695	7	59.73	30	38.53	17	46.36	266	5.976	43	50.94	197
Mai 10.1	23.227	17	55.84	183	16.688	41	59.43	20	38.36	0	43.70	276	5.933	36	48.97	200
20.0	23.244	63	54.01	199	16.729	89	59.23	9	38.36	17	40.94	275	5.969	114	46.97	196
30.0	23.307	106	52.02	212	16.818	136	59.14	6	38.53	33	38.19	266	6.083	189	45.01	185
Juni 9.0	23.413	147	49.90	220	16.954	180	59.20	19	38.86	48	35.53	250	6.272	259	43.16	170
19.0	23.560	185	47.70	221	17.134	218	59.39	32	39.34	63	33.03	226	6.531	324	41.46	149
28.9	23.745	217	45.49	217	17.352	251	59.71	44	39.97	75	30.77	197	6.855	379	39.97	125
Juli 8.9	23.962	244	43.32	206	17.603	278	60.15	55	40.72	86	28.80	163	7.234	425	38.72	98
18.9	24.206	266	41.26	188	17.881	299	60.70	63	41.58	94	27.17	126	7.659	462	37.74	69
28.8	24.472	281	39.38	164	18.180	313	61.33	69	42.52	101	25.91	87	8.121	490	37.05	40
Aug. 7.8	24.753	291	37.74	136	18.493	321	62.02	70	43.53	106	25.04	45	8.611	508	36.65	11
17.8	25.044	295	36.38	101	18.814	325	62.72	70	44.59	109	24.59	4	9.119	517	36.54	19
27.8	25.339	293	35.37	62	19.139	323	63.42	67	45.68	109	24.55	38	9.636	518	36.73	47
Sept. 6.7	25.632	288	34.75	22	19.462	317	64.09	62	46.77	108	24.93	79	10.154	512	37.20	74
16.7	25.920	277	34.53	20	19.779	307	64.71	54	47.85	106	25.72	119	10.666	498	37.94	99
26.7	26.197	262	34.73	62	20.086	294	65.25	47	48.91	100	26.91	156	11.164	477	38.93	123
Okt. 6.7	26.459	245	35.35	100	20.380	277	65.72	38	49.91	94	28.47	191	11.641	451	40.16	145
16.6	26.704	223	36.35	134	20.657	257	66.10	30	50.85	85	30.38	222	12.092	416	41.61	164
26.6	26.927	198	37.69	164	20.914	233	66.40	24	51.70	75	32.60	249	12.508	375	43.25	181
Nov. 5.6	27.125	169	39.33	187	21.147	206	66.64	18	52.45	64	35.09	272	12.883	326	45.06	194
15.5	27.294	137	41.20	201	21.353	174	66.82	14	53.09	49	37.81	287	13.209	269	47.00	203
25.5	27.431	102	43.21	208	21.527	138	66.96	10	53.58	34	40.68	295	13.478	206	49.03	209
Dez. 5.5	27.533	64	45.29	208	21.665	98	67.06	9	53.92	18	43.63	295	13.684	136	51.12	207
15.5	27.597	23	47.37	200	21.763	55	67.15	6	54.10	1	46.58	286	13.820	62	53.19	200
25.4	27.620	18	49.37	186	21.818	11	67.21	3	54.11	15	49.44	268	13.882	14	55.19	186
35.4	27.602		51.23		21.829		67.24		53.96		52.12		13.868		57.05	
Mittl. Ort	22.691		56.06		15.683		55.31		38.36		32.54		4.970		40.18	
sec δ, tg δ	1.033		−0.258		1.085		+0.420		4.074		+3.950		1.817		+1.517	

Mittlere Zeit Greenw.	178) 9 Camelop. AR.		178) 9 Camelop. Dekl.		180) π^5 Orionis AR.		180) π^5 Orionis Dekl.		181) ι Aurigae AR.		181) ι Aurigae Dekl.		183) ε Aurigae AR.		183) ε Aurigae Dekl.	
1917	$4^h\,45^m$		+66° 12′		$4^h\,49^m$		+2° 18′		$4^h\,51^m$		+33° 2′		$4^h\,56^m$		+43° 42′	
Jan. 0.4	52.09	10	25.16	221	57.839	10	23.74	104	37.864	3	17.15	59	3.644	7	15.42	118
10.4	51.99	20	27.37	192	57.829	50	22.70	93	37.861	54	17.74	50	3.637	66	16.60	102
20.4	51.79	28	29.29	157	57.779	88	21.77	80	37.807	99	18.24	38	3.571	119	17.62	83
30.3	51.51	36	30.86	115	57.691	121	20.97	66	37.708	139	18.62	23	3.452	166	18.45	59
Feb. 9.3	51.15	42	32.01	69	57.570	147	20.31	53	37.569	171	18.85	7	3.286	202	19.04	33
19.3	50.73	45	32.70	20	57.423	163	19.78	37	37.398	192	18.92	11	3.084	227	19.37	4
März 1.3	50.28	46	32.90	30	57.260	171	19.41	23	37.206	200	18.81	30	2.857	238	19.41	24
11.2	49.82	44	32.60	77	57.089	168	19.18	7	37.006	196	18.51	46	2.619	233	19.17	53
21.2	49.38	41	31.83	122	56.921	155	19.11	9	36.810	181	18.05	60	2.386	216	18.64	78
31.2	48.97	35	30.61	161	56.766	133	19.20	25	36.629	154	17.45	72	2.170	186	17.86	99
Apr. 10.2	48.62	28	29.00	192	56.633	103	19.45	41	36.475	117	16.73	80	1.984	144	16.87	117
20.1	48.34	19	27.08	216	56.530	66	19.86	59	36.358	72	15.93	84	1.840	93	15.70	128
30.1	48.15	9	24.92	232	56.464	25	20.45	76	36.286	23	15.09	83	1.747	38	14.42	135
Mai 10.1	48.06	1	22.60	240	56.439	19	21.21	93	36.263	28	14.26	79	1.709	22	13.07	135
20.0	48.07	12	20.20	239	56.458	63	22.14	107	36.291	82	13.47	71	1.731	83	11.72	131
30.0	48.19	21	17.81	231	56.521	106	23.21	121	36.373	133	12.76	60	1.814	141	10.41	122
Juni 9.0	48.40	32	15.50	216	56.627	146	24.42	131	36.506	180	12.16	47	1.955	196	9.19	109
19.0	48.72	40	13.34	195	56.773	183	25.73	138	36.686	224	11.69	32	2.151	246	8.10	94
28.9	49.12	47	11.39	170	56.956	215	27.11	141	36.910	261	11.37	17	2.397	290	7.16	75
Juli 8.9	49.59	55	9.69	140	57.171	241	28.52	140	37.171	292	11.20	3	2.687	327	6.41	56
18.9	50.14	60	8.29	107	57.412	263	29.92	134	37.463	317	11.17	12	3.014	356	5.85	36
28.9	50.74	63	7.22	73	57.675	278	31.26	123	37.780	335	11.29	24	3.370	379	5.49	16
Aug. 7.8	51.37	67	6.49	38	57.953	289	32.49	108	38.115	347	11.53	34	3.749	394	5.33	2
17.8	52.04	68	6.11	2	58.242	293	33.57	88	38.462	353	11.87	44	4.143	402	5.35	21
27.8	52.72	69	6.09	33	58.535	294	34.45	65	38.815	353	12.31	50	4.545	405	5.56	37
Sept. 6.7	53.41	68	6.42	68	58.829	291	35.10	39	39.168	350	12.81	55	4.950	402	5.93	53
16.7	54.09	67	7.10	101	59.120	282	35.49	11	39.518	342	13.36	59	5.352	394	6.46	67
26.7	54.76	64	8.11	133	59.402	272	35.60	16	39.860	330	13.95	61	5.746	381	7.13	80
Okt. 6.7	55.40	61	9.44	162	59.674	258	35.44	42	40.190	314	14.56	62	6.127	364	7.93	92
16.6	56.01	55	11.06	188	59.932	240	35.02	66	40.504	295	15.18	65	6.491	341	8.85	102
26.6	56.56	50	12.94	212	60.172	218	34.36	87	40.799	270	15.83	66	6.832	312	9.87	112
Nov. 5.6	57.06	43	15.06	231	60.390	193	33.49	103	41.069	240	16.49	67	7.144	279	10.99	120
15.6	57.49	36	17.37	245	60.583	164	32.46	113	41.309	206	17.16	68	7.423	239	12.19	127
25.5	57.85	26	19.82	253	60.747	131	31.33	120	41.515	167	17.84	69	7.662	192	13.46	131
Dez. 5.5	58.11	16	22.35	254	60.878	94	30.13	122	41.682	123	18.53	69	7.854	140	14.77	132
15.5	58.27	7	24.89	247	60.972	55	28.91	118	41.805	75	19.22	66	7.994	84	16.09	130
25.4	58.34	4	27.36	233	61.027	14	27.73	110	41.880	24	19.88	62	8.078	26	17.39	123
35.4	58.30		29.69		61.041		26.63		41.904		20.50		8.104		18.62	
Mittl. Ort	47.29		12.36		55.600		20.19		35.165		8.86		0.580		6.01	
sec δ, tg δ	2.478		+2.268		1.001		+0.040		1.193		+0.650		1.383		+0.956	

Mittlere Zeit Greenw.	182) 10 Camelop.				184) ι Tauri				185) η Aurigae				186) ε Leporis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$4^h 56^m$		+60° 19′		$4^h 58^m$		+21° 28′		$5^h 0^m$		+41° 7′		$5^h 1^m$		−22° 28′	
Jan. 0.4	5.85	5	32.21	199	10.469	5	27.01	4	44.480	1	33.02	104	59.027	30	54.51	218
10.4	5.80	13	34.20	176	10.474	41	26.97	5	44.481	56	34.06	91	58.997	74	56.69	193
20.4	5.67	20	35.96	145	10.433	83	26.92	7	44.425	108	34.97	75	58.923	114	58.62	163
30.3	5.47	27	37.41	109	10.350	120	26.85	11	44.317	154	35.72	54	58.809	148	60.25	129
Feb. 9.3	5.20	32	38.50	69	10.230	149	26.74	15	44.163	190	36.26	31	58.661	175	61.54	92
19.3	4.88	36	39.19	25	10.081	170	26.59	20	43.973	215	36.57	5	58.486	194	62.46	56
März 1.3	4.52	36	39.44	19	9.911	180	26.39	26	43.758	227	36.62	21	58.292	203	63.02	18
11.2	4.16	36	39.25	63	9.731	178	26.13	30	43.531	224	36.41	47	58.089	201	63.20	19
21.2	3.80	34	38.62	104	9.553	164	25.83	33	43.307	208	35.94	70	57.888	190	63.01	56
31.2	3.46	29	37.58	139	9.389	141	25.50	35	43.099	180	35.24	90	57.698	169	62.45	91
Apr. 10.2	3.17	23	36.19	168	9.248	109	25.15	34	42.919	140	34.34	105	57.529	140	61.54	124
20.1	2.94	16	34.51	191	9.139	70	24.81	29	42.779	93	33.29	116	57.389	104	60.30	155
30.1	2.78	8	32.60	207	9.069	26	24.52	24	42.686	40	32.13	121	57.285	63	58.75	182
Mai 10.1	2.70	1	30.53	214	9.043	21	24.28	15	42.646	18	30.92	122	57.222	19	56.93	206
20.0	2.71	9	28.39	214	9.064	68	24.13	5	42.664	75	29.70	117	57.203	27	54.87	226
30.0	2.80	18	26.25	208	9.132	115	24.08	7	42.739	132	28.53	109	57.230	72	52.61	240
Juni 9.0	2.98	25	24.17	194	9.247	158	24.15	18	42.871	185	27.44	97	57.302	116	50.21	248
19.0	3.23	32	22.23	177	9.405	197	24.33	30	43.056	234	26.47	82	57.418	156	47.73	250
28.9	3.55	39	20.46	154	9.602	232	24.63	40	43.290	275	25.65	66	57.574	193	45.23	244
Juli 8.9	3.94	45	18.92	128	9.834	261	25.03	48	43.565	312	24.99	48	57.767	224	42.79	232
18.9	4.39	49	17.64	100	10.095	283	25.51	54	43.877	341	24.51	30	57.991	250	40.47	212
28.9	4.88	52	16.64	70	10.378	301	26.05	58	44.218	363	24.21	13	58.241	272	38.35	186
Aug. 7.8	5.40	55	15.94	39	10.679	312	26.63	59	44.581	378	24.08	4	58.513	286	36.49	153
17.8	5.95	57	15.55	8	10.991	318	27.22	57	44.959	386	24.12	19	58.799	296	34.96	113
27.8	6.52	57	15.47	23	11.309	320	27.79	52	45.345	390	24.31	34	59.095	299	33.83	70
Sept. 6.7	7.09	57	15.70	53	11.629	318	28.31	45	45.735	388	24.65	47	59.394	299	33.13	23
16.7	7.66	55	16.23	82	11.947	311	28.76	38	46.123	381	25.12	59	59.693	292	32.90	25
26.7	8.21	54	17.05	110	12.258	301	29.14	28	46.504	370	25.71	69	59.985	282	33.15	73
Okt. 6.7	8.75	52	18.15	135	12.559	287	29.42	19	46.874	353	26.40	79	60.267	267	33.88	119
16.6	9.27	47	19.50	159	12.846	270	29.61	12	47.227	333	27.19	88	60.534	247	35.07	161
26.6	9.74	43	21.09	180	13.116	249	29.73	5	47.560	306	28.07	96	60.781	222	36.68	196
Nov. 5.6	10.17	39	22.89	198	13.365	224	29.78	1	47.866	275	29.03	104	61.003	194	38.64	224
15.6	10.56	32	24.87	212	13.589	193	29.77	4	48.141	236	30.07	109	61.197	161	40.88	243
25.5	10.88	25	26.99	220	13.782	159	29.73	5	48.377	193	31.16	114	61.358	124	43.31	254
Dez. 5.5	11.13	17	29.19	224	13.941	119	29.68	6	48.570	143	32.30	115	61.482	83	45.85	255
15.5	11.30	9	31.43	220	14.060	76	29.62	6	48.713	89	33.45	114	61.565	39	48.40	248
25.4	11.39	0	33.63	209	14.136	30	29.56	5	48.802	33	34.59	109	61.604	5	50.88	232
35.4	11.39		35.72		14.166		29.51		48.835		35.68		61.599		53.20	
Mittl. Ort	1.70		20.92		7.985		20.81		41.494		24.29		56.827		54.37	
sec δ, tg δ	2.020		+1.755		1.075		+0.393		1.327		+0.873		1.082		−0.414	

Mittlere Zeit Greenw.	188) β Eridani AR.		188) β Eridani Dekl.		192) μ Aurigae AR.		192) μ Aurigae Dekl.		191) 19 H. Camelop. AR.		191) 19 H. Camelop. Dekl.		194) β Orionis AR.		194) β Orionis Dekl.	
1917	5ʰ 3ᵐ		−5° 11′		5ʰ 7ᵐ		+38° 23′		5ʰ 8ᵐ		+79° 8′		5ʰ 10ᵐ		−8° 17′	
Jan. 0.4	48.350	5	32.27	146	47.694	11	22.25	91	60.72	22	30.74	279	35.121	3	46.45	162
10.4	48.345	47	33.73	129	47.705	45	23.16	80	60.50	43	33.53	253	35.118	45	48.07	145
20.4	48.298	86	35.02	111	47.660	96	23.96	67	60.07	63	36.06	217	35.073	85	49.52	124
30.4	48.212	120	36.13	90	47.564	142	24.63	50	59.44	79	38.23	172	34.988	120	50.76	101
Feb. 9.3	48.092	147	37.03	68	47.422	178	25.13	29	58.65	93	39.95	120	34.868	148	51.77	76
19.3	47.945	167	37.71	46	47.244	203	25.42	7	57.72	101	41.15	65	34.720	168	52.53	51
März 1.3	47.778	176	38.17	23	47.041	217	25.49	17	56.71	105	41.80	7	34.552	179	53.04	25
11.2	47.602	175	38.40	1	46.824	216	25.32	39	55.66	105	41.87	50	34.373	179	53.29	0
21.2	47.427	164	38.41	22	46.608	202	24.93	60	54.61	98	41.37	105	34.194	170	53.29	25
31.2	47.263	145	38.19	44	46.406	176	24.33	78	53.63	88	40.32	156	34.024	151	53.04	51
Apr. 10.2	47.118	117	37.75	66	46.230	140	23.55	92	52.75	74	38.76	199	33.873	123	52.53	74
20.1	47.001	81	37.09	88	46.090	95	22.63	102	52.01	58	36.77	234	33.750	89	51.79	98
30.1	46.920	42	36.21	108	45.995	44	21.61	106	51.43	38	34.43	260	33.661	50	50.81	120
Mai 10.1	46.878	0	35.13	127	45.951	11	20.55	107	51.05	17	31.83	278	33.611	8	49.61	140
20.1	46.878	44	33.86	143	45.962	66	19.48	103	50.88	4	29.05	286	33.603	35	48.21	157
30.0	46.922	87	32.43	157	46.028	120	18.45	96	50.92	25	26.19	285	33.638	78	46.64	171
Juni 9.0	47.009	127	30.86	167	46.148	172	17.49	84	51.17	45	23.34	277	33.716	119	44.93	181
19.0	47.136	165	29.19	172	46.320	219	16.65	71	51.62	65	20.57	260	33.835	156	43.12	186
28.9	47.301	198	27.47	172	46.539	260	15.94	56	52.27	83	17.97	237	33.991	191	41.26	185
Juli 8.9	47.499	227	25.75	168	46.799	295	15.38	41	53.10	98	15.60	208	34.182	220	39.41	180
18.9	47.726	249	24.07	158	47.094	324	14.97	25	54.08	111	13.52	175	34.402	244	37.61	168
28.9	47.975	267	22.49	141	47.418	346	14.72	10	55.19	123	11.77	138	34.646	263	35.93	150
Aug. 7.8	48.242	280	21.08	121	47.764	362	14.62	4	56.42	131	10.39	98	34.909	277	34.43	128
17.8	48.522	287	19.87	95	48.126	371	14.66	17	57.73	137	9.41	57	35.186	286	33.15	99
27.8	48.809	291	18.92	65	48.497	375	14.83	29	59.10	141	8.84	15	35.472	289	32.16	66
Sept. 6.8	49.100	289	18.27	32	48.872	375	15.12	39	60.51	141	8.69	28	35.761	289	31.50	32
16.7	49.389	283	17.95	1	49.247	369	15.51	48	61.92	140	8.97	71	36.050	286	31.18	5
26.7	49.672	274	17.96	36	49.616	359	15.99	56	63.32	136	9.68	112	36.336	277	31.23	43
Okt. 6.7	49.946	262	18.32	70	49.975	345	16.55	64	64.68	130	10.80	152	36.613	265	31.66	79
16.6	50.208	245	19.02	99	50.320	327	17.19	71	65.98	120	12.32	189	36.878	248	32.45	111
26.6	50.453	225	20.01	125	50.647	302	17.90	77	67.18	108	14.21	223	37.126	229	33.56	139
Nov. 5.6	50.678	200	21.26	145	50.949	272	18.67	84	68.26	94	16.44	252	37.355	205	34.95	161
15.6	50.878	171	22.71	160	51.221	237	19.51	90	69.20	77	18.96	276	37.560	176	36.56	178
25.5	51.049	138	24.31	167	51.458	196	20.41	94	69.97	57	21.72	293	37.736	142	38.34	186
Dez. 5.5	51.187	101	25.98	169	51.654	149	21.35	97	70.54	37	24.65	301	37.878	105	40.20	188
15.5	51.288	61	27.67	165	51.803	96	22.32	97	70.91	14	27.66	301	37.983	64	42.08	183
25.5	51.349	19	29.32	154	51.899	41	23.29	93	71.05	8	30.67	290	38.047	22	43.91	172
35.4	51.368		30.86		51.940		24.22		70.97		33.57		38.069		45.63	
Mittl. Ort	46.121		34.40		44.775		14.41		51.00		19.38		32.890		48.06	
sec δ, tg δ	1.004		−0.091		1.276		+0.792		5.307		+5.212		1.011		−0.146	

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	193) α Aurigae				196) ϑ Doradus				201) γ Orionis				202) β Tauri			
	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ	AR.	Δ	Dekl.	Δ
1917	$5^h\ 10^m$		+45° 54′		$5^h\ 13^m$		−67° 16′		$5^h\ 20^m$		+6° 16′		$5^h\ 21^m$		+28° 32′	
Jan. 0.4	36.522	9	62.03	130	52.42	27	46.47	310	43.060	19	34.44	91	5.323	28	24.21	35
10.4	36.531	54	63.33	118	52.15	37	49.57	273	43.079	25	33.53	81	5.351	24	24.56	33
20.4	36.477	112	64.51	99	51.78	45	52.30	227	43.054	67	32.72	70	5.327	71	24.89	29
30.4	36.365	164	65.50	75	51.33	51	54.57	178	42.987	105	32.02	59	5.256	114	25.18	21
Feb. 9.3	36.201	204	66.25	49	50.82	56	56.35	125	42.882	136	31.43	47	5.142	150	25.39	11
19.3	35.997	233	66.74	19	50.26	60	57.60	69	42.746	158	30.96	36	4.992	175	25.50	1
März 1.3	35.764	248	66.93	11	49.66	61	58.29	14	42.588	170	30.60	24	4.817	190	25.49	13
11.2	35.516	248	66.82	42	49.05	61	58.43	41	42.418	173	30.36	13	4.627	192	25.36	25
21.2	35.268	232	66.40	71	48.44	59	58.02	95	42.245	164	30.23	2	4.435	183	25.11	36
31.2	35.036	204	65.69	95	47.85	55	57.07	144	42.081	146	30.21	11	4.252	162	24.75	46
Apr. 10.2	34.832	164	64.74	116	47.30	49	55.63	190	41.935	120	30.32	24	4.090	131	24.29	53
20.1	34.668	114	63.58	132	46.81	43	53.73	232	41.815	87	30.56	37	3.959	93	23.76	56
30.1	34.554	58	62.26	141	46.38	34	51.41	268	41.728	47	30.93	50	3.866	48	23.20	57
Mai 10.1	34.496	3	60.85	146	46.04	26	48.73	298	41.681	5	31.43	64	3.818	1	22.63	54
20.1	34.499	65	59.39	145	45.78	17	45.75	320	41.676	38	32.07	77	3.817	49	22.09	49
30.0	34.564	125	57.94	139	45.61	7	42.55	335	41.714	81	32.84	89	3.866	97	21.60	42
Juni 9.0	34.689	183	56.55	128	45.54	3	39.20	342	41.795	122	33.73	99	3.963	144	21.18	32
19.0	34.872	236	55.27	115	45.57	12	35.78	338	41.917	160	34.72	106	4.107	186	20.86	22
28.9	35.108	283	54.12	98	45.69	22	32.40	326	42.077	194	35.78	111	4.293	224	20.64	11
Juli 8.9	35.391	323	53.14	80	45.91	31	29.14	305	42.271	222	36.89	111	4.517	257	20.53	1
18.9	35.714	356	52.34	60	46.22	39	26.09	275	42.493	247	38.00	108	4.774	283	20.52	7
28.9	36.070	382	51.74	41	46.61	46	23.34	235	42.740	266	39.08	100	5.057	305	20.59	15
Aug. 7.8	36.452	401	51.33	21	47.07	51	20.99	188	43.006	280	40.08	89	5.362	320	20.74	21
17.8	36.853	412	51.12	2	47.58	56	19.11	133	43.286	289	40.97	72	5.682	330	20.95	24
27.8	37.265	419	51.10	16	48.14	58	17.78	73	43.575	294	41.69	53	6.012	336	21.19	27
Sept. 6.8	37.684	418	51.26	33	48.72	60	17.05	9	43.869	296	42.22	32	6.348	337	21.46	27
16.7	38.102	413	51.59	51	49.32	58	16.96	55	44.165	292	42.54	8	6.685	334	21.73	26
26.7	38.515	403	52.10	66	49.90	57	17.51	120	44.457	286	42.62	16	7.019	328	21.99	25
Okt. 6.7	38.918	387	52.76	80	50.47	52	18.71	181	44.743	277	42.46	39	7.347	317	22.24	23
16.6	39.305	366	53.56	94	50.99	47	20.52	237	45.020	263	42.07	60	7.664	302	22.47	22
26.6	39.671	339	54.50	107	51.46	39	22.89	284	45.283	245	41.47	78	7.966	283	22.69	22
Nov. 5.6	40.010	305	55.57	119	51.85	31	25.73	321	45.528	223	40.69	92	8.249	259	22.91	23
15.6	40.315	265	56.76	128	52.16	22	28.94	348	45.751	196	39.77	102	8.508	228	23.14	26
25.5	40.580	218	58.04	136	52.38	11	32.42	362	45.947	164	38.75	107	8.736	192	23.40	28
Dez. 5.5	40.798	164	59.40	139	52.49	0	36.04	363	46.111	127	37.68	107	8.928	151	23.68	31
15.5	40.962	105	60.79	140	52.49	10	39.67	352	46.238	87	36.61	104	9.079	105	23.99	33
25.5	41.067	44	62.19	135	52.39	21	43.19	330	46.325	44	35.57	98	9.184	55	24.32	34
35.4	41.111		63.54		52.18		46.49		46.369		34.59		9.239		24.66	
Mittl. Ort	33.295		53.55		49.05		43.27		40.714		31.29		2.633		18.48	
sec δ, tg δ	1.437		+1.032		2.589		−2.388		1.006		+0.110		1.138		+0.544	

Mittlere Zeit Greenw.	203) 17 Camelop. AR.		Dekl.		206) δ Orionis AR.		Dekl.		205) Gr. 966 AR.		Dekl.		207) α Leporis AR.		Dekl.	
1917	5ʰ 22ᵐ		+62° 59′		5ʰ 27ᵐ		−0° 21′		5ʰ 28ᵐ		+74° 59′		5ʰ 29ᵐ		−17° 52′	
Jan. 0.4	24.21ˢ	1	67.28″	219	48.228ˢ	21	32.69″	129	44.58ˢ	5	37.39″	271	6.380ˢ	2	50.96″	215
10.4	24.20	10	69.47	201	48.249	24	33.98	115	44.53	23	40.10	251	6.382	44	53.11	192
20.4	24.10	19	71.48	175	48.225	66	35.13	99	44.30	38	42.61	220	6.338	86	55.03	166
30.4	23.91	27	73.23	142	48.159	104	36.12	83	43.92	51	44.81	181	6.252	124	56.69	137
Feb. 9.3	23.64	33	74.65	102	48.055	135	36.95	64	43.41	62	46.62	136	6.128	156	58.06	104
19.3	23.31	38	75.67	59	47.920	158	37.59	47	42.79	70	47.98	84	5.972	179	59.10	71
März 1.3	22.93	41	76.26	13	47.762	172	38.06	28	42.09	74	48.82	30	5.793	192	59.81	38
11.3	22.52	40	76.39	33	47.590	175	38.34	10	41.35	75	49.12	25	5.601	196	60.19	3
21.2	22.12	39	76.06	77	47.415	168	38.44	8	40.60	72	48.87	79	5.405	188	60.22	31
31.2	21.73	34	75.29	117	47.247	151	38.36	26	39.88	66	48.08	128	5.217	172	59.91	63
Apr. 10.2	21.39	29	74.12	153	47.096	126	38.10	43	39.22	57	46.80	172	5.045	147	59.28	94
20.1	21.10	22	72.59	183	46.970	94	37.67	62	38.65	45	45.08	209	4.898	114	58.34	123
30.1	20.88	14	70.76	204	46.876	57	37.05	79	38.20	32	42.99	238	4.784	77	57.11	150
Mai 10.1	20.74	6	68.72	218	46.819	15	36.26	96	37.88	17	40.61	259	4.707	36	55.61	174
20.1	20.68	4	66.54	225	46.804	27	35.30	111	37.71	2	38.02	270	4.671	8	53.87	195
30.0	20.72	13	64.29	225	46.831	69	34.19	124	37.69	14	35.32	274	4.679	51	51.92	210
Juni 9.0	20.85	22	62.04	218	46.900	110	32.95	133	37.83	29	32.58	270	4.730	93	49.82	220
19.0	21.07	30	59.86	205	47.010	148	31.62	140	38.12	44	29.88	258	4.823	133	47.62	226
29.0	21.37	37	57.81	188	47.158	182	30.22	143	38.56	56	27.30	239	4.956	170	45.36	224
Juli 8.9	21.74	44	55.93	165	47.340	211	28.79	141	39.12	69	24.91	216	5.126	202	43.12	216
18.9	22.18	49	54.28	139	47.551	237	27.38	134	39.81	79	22.75	187	5.328	230	40.96	200
28.9	22.67	54	52.89	111	47.788	256	26.04	121	40.60	87	20.88	155	5.558	253	38.96	179
Aug. 7.8	23.21	57	51.78	82	48.044	272	24.83	105	41.47	94	19.33	119	5.811	270	37.17	150
17.8	23.78	60	50.96	50	48.316	282	23.78	85	42.41	100	18.14	81	6.081	282	35.67	116
27.8	24.38	62	50.46	19	48.598	288	22.93	59	43.41	103	17.33	43	6.363	291	34.51	76
Sept. 6.8	25.00	62	50.27	13	48.886	291	22.34	30	44.44	105	16.90	3	6.654	294	33.75	34
16.7	25.62	61	50.40	44	49.177	289	22.04	1	45.49	104	16.87	38	6.948	293	33.41	11
26.7	26.23	60	50.84	76	49.466	284	22.03	29	46.53	103	17.25	77	7.241	287	33.52	57
Okt. 6.7	26.83	59	51.60	105	49.750	275	22.32	59	47.56	99	18.02	116	7.528	277	34.09	100
16.7	27.42	55	52.65	134	50.025	262	22.91	85	48.55	94	19.18	153	7.805	262	35.09	141
26.6	27.97	51	53.99	160	50.287	245	23.76	109	49.49	86	20.71	187	8.067	243	36.50	176
Nov. 5.6	28.48	45	55.59	183	50.532	223	24.85	127	50.35	76	22.58	219	8.310	218	38.26	205
15.6	28.93	39	57.42	204	50.755	196	26.12	140	51.11	65	24.77	245	8.528	189	40.31	226
25.6	29.32	32	59.46	219	50.951	165	27.52	147	51.76	52	27.22	265	8.717	154	42.57	238
Dez. 5.5	29.64	24	61.65	228	51.116	129	28.99	150	52.28	36	29.87	278	8.871	115	44.95	242
15.5	29.88	14	63.93	231	51.245	88	30.49	145	52.64	20	32.65	282	8.986	72	47.37	239
25.5	30.02	5	66.24	225	51.333	45	31.94	137	52.84	4	35.47	278	9.058	28	49.76	226
35.4	30.07		68.49		51.378		33.31		52.88		38.25		9.086		52.02	
Mittl. Ort	19.57		58.34		45.924		34.88		37.03		28.37		4.136		51.40	
sec δ, tg δ	2.203		+1.963		1.000		−0.006		3.861		+3.730		1.051		−0.323	

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Mittlere Zeit Greenw.	209) ι Orionis AR.		209) ι Orionis Dekl.		210) ε Orionis AR.		210) ε Orionis Dekl.		211) ζ Tauri AR.		211) ζ Tauri Dekl.		212) β Doradus AR.		212) β Doradus Dekl.	
1917	$5^h\ 31^m$		$-5°\ 57'$		$5^h\ 32^m$		$-1°\ 15'$		$5^h\ 32^m$		$+21°\ 5'$		$5^h\ 32^m$		$-62°\ 32'$	
Jan. 0.5	24.633	18	47.32	159	2.375	23	12.63	135	43.579	37	38.83	9	57.23	17	40.32	327
10.4	24.651	26	48.91	143	2.398	21	13.98	121	43.616	11	38.74	5	57.06	26	43.59	294
20.4	24.625	68	50.34	124	2.377	64	15.19	104	43.605	58	38.69	3	56.80	33	46.53	252
30.4	24.557	106	51.58	102	2.313	102	16.23	86	43.547	100	38.66	4	56.47	39	49.05	206
Feb. 9.3	24.451	138	52.60	79	2.211	134	17.09	68	43.447	135	38.62	6	56.08	44	51.11	154
19.3	24.313	162	53.39	56	2.077	157	17.77	49	43.312	162	38.56	8	55.64	48	52.65	100
März 1.3	24.151	175	53.95	33	1.920	172	18.26	30	43.150	177	38.48	13	55.16	50	53.65	46
11.3	23.976	179	54.28	9	1.748	176	18.56	10	42.973	182	38.35	16	54.66	50	54.11	10
21.2	23.797	173	54.37	15	1.572	169	18.66	8	42.791	175	38.19	21	54.16	49	54.01	63
31.2	23.624	156	54.22	37	1.403	154	18.58	27	42.616	157	37.98	23	53.67	46	53.38	114
Apr. 10.2	23.468	132	53.85	60	1.249	129	18.31	46	42.459	130	37.75	24	53.21	42	52.24	163
20.2	23.336	101	53.25	82	1.120	97	17.85	64	42.329	96	37.51	23	52.79	37	50.61	207
30.1	23.235	64	52.43	102	1.023	60	17.21	82	42.233	55	37.28	20	52.42	30	48.54	245
Mai 10.1	23.171	23	51.41	121	0.963	19	16.39	99	42.178	11	37.08	14	52.12	24	46.09	279
20.1	23.148	19	50.20	138	0.944	22	15.40	114	42.167	35	36.94	8	51.88	15	43.30	305
30.0	23.167	61	48.82	152	0.966	65	14.26	127	42.202	81	36.86	0	51.73	8	40.25	324
Juni 9.0	23.228	102	47.30	162	1.031	106	12.99	137	42.283	124	36.86	9	51.65	1	37.01	334
19.0	23.330	140	45.68	169	1.137	143	11.62	144	42.407	164	36.95	17	51.66	9	33.67	337
29.0	23.470	175	43.99	169	1.280	177	10.18	145	42.571	201	37.12	24	51.75	17	30.30	329
Juli 8.9	23.645	205	42.30	166	1.457	208	8.73	144	42.772	233	37.36	31	51.92	25	27.01	313
18.9	23.850	231	40.64	156	1.665	233	7.29	137	43.005	259	37.67	35	52.17	31	23.88	286
28.9	24.081	251	39.08	141	1.898	253	5.92	124	43.264	280	38.02	37	52.48	37	21.02	250
Aug. 7.9	24.332	268	37.67	120	2.151	269	4.68	107	43.544	296	38.39	36	52.85	43	18.52	206
17.8	24.600	279	36.47	95	2.420	280	3.61	85	43.840	307	38.75	34	53.28	47	16.46	154
27.8	24.879	286	35.52	64	2.700	287	2.76	59	44.147	315	39.09	28	53.75	49	14.92	97
Sept. 6.8	25.165	289	34.88	32	2.987	291	2.17	30	44.462	317	39.37	20	54.24	51	13.95	34
16.7	25.454	288	34.56	3	3.278	289	1.87	0	44.779	316	39.57	12	54.75	51	13.61	32
26.7	25.742	283	34.59	38	3.567	284	1.87	31	45.095	312	39.69	4	55.26	49	13.93	96
Okt. 6.7	26.025	275	34.97	73	3.851	277	2.18	62	45.407	303	39.73	5	55.75	47	14.89	159
16.7	26.300	262	35.70	105	4.128	264	2.80	89	45.710	292	39.68	13	56.22	43	16.48	218
26.6	26.562	245	36.75	132	4.392	247	3.69	114	46.002	275	39.55	19	56.65	38	18.66	268
Nov. 5.6	26.807	223	38.07	154	4.639	226	4.83	132	46.277	253	39.36	22	57.03	31	21.34	310
15.6	27.030	196	39.61	170	4.865	199	6.15	146	46.530	225	39.14	23	57.34	24	24.44	341
25.6	27.226	164	41.31	179	5.064	169	7.61	154	46.755	193	38.91	22	57.58	15	27.85	360
Dez. 5.5	27.390	127	43.10	182	5.233	132	9.15	155	46.948	154	38.69	20	57.73	7	31.45	367
15.5	27.517	87	44.92	178	5.365	91	10.70	152	47.102	111	38.49	17	57.80	3	35.12	361
25.5	27.604	43	46.70	168	5.456	48	12.22	143	47.213	65	38.32	11	57.77	11	38.73	343
35.4	27.647		48.38		5.504		13.65		47.278		38.21		57.66		42.16	
Mittl. Ort	22.355		48.86		0.069		14.62		41.010		34.62		54.17		38.19	
sec δ, tg δ	1.005		−0.104		1.000		−0.022		1.072		+0.386		2.169		−1.925	

Mittlere Zeit Greenw.	215) α Columbae AR.		215) α Columbae Dekl.		216) o Aurigae AR.		216) o Aurigae Dekl.		219) ζ Leporis AR.		219) ζ Leporis Dekl.		220) χ Orionis AR.		220) χ Orionis Dekl.	
1917	5h 36m		−34° 6′		5h 39m		+49° 47′		5h 43m		−14° 50′		5h 43m		−9° 41′	
Jan. 0.5	40.863	22	64.80	279	31.698	43	34.96	156	13.913	19	66.83	207	51.458	26	52.76	184
10.4	40.841	73	67.59	253	31.741	26	36.52	148	13.932	27	68.90	188	51.484	20	54.60	165
20.4	40.768	120	70.12	219	31.715	93	38.00	132	13.905	71	70.78	163	51.464	64	56.25	143
30.4	40.648	163	72.31	181	31.622	154	39.32	110	13.834	111	72.41	136	51.400	103	57.68	119
Feb. 9.3	40.485	197	74.12	139	31.468	205	40.42	84	13.723	144	73.77	107	51.297	136	58.87	94
19.3	40.288	222	75.51	95	31.263	242	41.26	54	13.579	169	74.84	75	51.161	162	59.81	67
März 1.3	40.066	238	76.46	49	31.021	266	41.80	20	13.410	185	75.59	44	50.999	177	60.48	40
11.3	39.828	243	76.95	4	30.755	274	42.00	14	13.225	191	76.03	13	50.822	184	60.88	13
21.2	39.585	236	76.99	41	30.481	265	41.86	47	13.034	186	76.16	19	50.638	179	61.01	14
31.2	39.349	219	76.58	83	30.216	242	41.39	77	12.848	172	75.97	49	50.459	164	60.87	39
Apr. 10.2	39.130	193	75.75	125	29.974	205	40.62	105	12.676	149	75.48	78	50.295	142	60.48	65
20.2	38.937	160	74.50	162	29.769	157	39.57	128	12.527	118	74.70	106	50.153	112	59.83	90
30.1	38.777	119	72.88	197	29.612	101	38.29	145	12.409	83	73.64	132	50.041	77	58.93	113
Mai 10.1	38.658	75	70.91	226	29.511	40	36.84	156	12.326	43	72.32	155	49.964	37	57.80	133
20.1	38.583	28	68.65	250	29.471	24	35.28	162	12.283	0	70.77	175	49.927	5	56.47	151
30.0	38.555	20	66.15	270	29.495	89	33.66	162	12.283	41	69.02	191	49.932	46	54.96	167
Juni 9.0	38.575	68	63.45	281	29.584	152	32.04	158	12.324	83	67.11	202	49.978	88	53.29	177
19.0	38.643	114	60.64	284	29.736	209	30.46	149	12.407	123	65.09	209	50.066	126	51.52	183
29.0	38.757	157	57.80	281	29.945	263	28.97	137	12.530	158	63.00	208	50.192	161	49.69	185
Juli 8.9	38.914	196	54.99	270	30.208	310	27.60	121	12.688	191	60.92	202	50.353	193	47.84	180
18.9	39.110	230	52.29	249	30.518	350	26.39	103	12.879	219	58.90	189	50.546	220	46.04	169
28.9	39.340	260	49.80	221	30.868	382	25.36	85	13.098	243	57.01	170	50.766	242	44.35	152
Aug. 7.9	39.600	283	47.59	184	31.250	408	24.51	65	13.341	261	55.31	145	51.008	261	42.83	130
17.8	39.883	302	45.75	142	31.658	428	23.86	45	13.602	276	53.86	113	51.269	274	41.53	102
27.8	40.185	314	44.33	92	32.086	440	23.41	24	13.878	285	52.73	76	51.543	283	40.51	70
Sept. 6.8	40.499	320	43.41	39	32.526	448	23.17	4	14.163	290	51.97	37	51.826	289	39.81	34
16.7	40.819	321	43.02	16	32.974	448	23.13	16	14.453	292	51.60	6	52.115	289	39.47	5
26.7	41.140	315	43.18	73	33.422	443	23.29	36	14.745	289	51.66	50	52.404	287	39.52	43
Okt. 6.7	41.455	303	43.91	128	33.865	432	23.65	56	15.034	281	52.16	91	52.691	280	39.95	81
16.7	41.758	287	45.19	178	34.297	416	24.21	75	15.315	269	53.07	130	52.971	268	40.76	116
26.6	42.045	262	46.97	223	34.713	391	24.96	94	15.584	252	54.37	165	53.239	252	41.92	147
Nov. 5.6	42.307	233	49.20	260	35.104	359	25.90	111	15.836	230	56.02	193	53.491	231	43.39	172
15.6	42.540	197	51.80	287	35.463	319	27.01	127	16.066	202	57.95	214	53.722	205	45.11	191
25.6	42.737	155	54.67	304	35.782	270	28.28	141	16.268	170	60.09	227	53.927	174	47.02	202
Dez. 5.5	42.892	110	57.71	311	36.052	214	29.69	152	16.438	132	62.36	232	54.101	136	49.04	205
15.5	43.002	60	60.82	308	36.266	151	31.21	158	16.570	89	64.68	228	54.237	95	51.09	202
25.5	43.062	8	63.90	293	36.417	83	32.79	158	16.659	45	66.96	218	54.332	52	53.11	193
35.4	43.070		66.83		36.500		34.37		16.704		69.14		54.384		55.04	
Mittl. Ort	38.549		64.06		28.151		28.70		11.648		67.47		49.179		53.78	
sec δ, tg δ	1.208		−0.677		1.549		+1.183		1.035		−0.265		1.015		−0.171	

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Mittlere Zeit Greenw.	224) α Orionis				225) δ Aurigae				227) β Aurigae				228) ϑ Aurigae			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$5^h 50^m$		+7° 23′		$5^h 52^m$		+54° 16′		$5^h 53^m$		+44° 56′		$5^h 54^m$		+37° 12′	
Jan. 0.5	43.079	48	35.51	92	45.460	62	52.61	181	29.759	64	29.61	131	6.700	65	32.71	86
10.4	43.127	0	34.59	82	45.522	$\overline{16}$	54.42	173	29.823	$\overline{1}$	30.92	126	6.765	5	33.57	84
20.4	43.127	45	33.77	69	45.506	92	56.15	158	29.822	65	32.18	116	6.770	$\overline{51}$	34.41	79
30.4	43.082	86	33.08	57	45.414	162	57.73	136	29.757	123	33.34	101	6.719	103	35.20	69
Feb. 9.4	42.996	122	32.51	46	45.252	219	59.09	108	29.634	172	34.35	80	6.616	148	35.89	55
19.3	42.874	149	32.05	34	45.033	265	60.17	75	29.462	210	35.15	55	6.468	183	36.44	38
März 1.3	42.725	166	31.71	23	44.768	294	60.92	39	29.252	236	35.70	28	6.285	206	36.82	17
11.3	42.559	174	31.48	13	44.474	306	61.31	0	29.016	247	35.98	$\overline{1}$	6.079	215	36.99	$\overline{3}$
21.2	42.385	170	31.35	2	44.168	301	61.31	37	28.769	242	35.97	30	5.864	212	36.96	25
31.2	42.215	157	31.33	$\overline{8}$	43.867	280	60.94	73	28.527	224	35.67	57	5.652	195	36.71	44
Apr. 10.2	42.058	135	31.41	18	43.587	242	60.21	105	28.303	193	35.10	82	5.457	168	36.27	61
20.2	41.923	104	31.59	30	43.345	193	59.16	133	28.110	152	34.28	102	5.289	131	35.66	76
30.1	41.819	69	31.89	41	43.152	135	57.83	155	27.958	102	33.26	119	5.158	87	34.90	87
Mai 10.1	41.750	29	32.30	53	43.017	69	56.28	171	27.856	48	32.07	129	5.071	37	34.03	93
20.1	41.721	$\overline{13}$	32.83	65	42.948	$\overline{1}$	54.57	182	27.808	$\overline{10}$	30.78	136	5.034	$\overline{14}$	33.10	96
30.1	41.734	55	33.48	74	42.949	70	52.75	186	27.818	69	29.42	138	5.048	66	32.14	96
Juni 9.0	41.789	95	34.22	83	43.019	139	50.89	184	27.887	125	28.04	135	5.114	117	31.18	92
19.0	41.884	134	35.05	91	43.158	204	49.05	178	28.012	179	26.69	128	5.231	165	30.26	85
29.0	42.018	169	35.96	94	43.362	264	47.27	168	28.191	229	25.41	119	5.396	208	29.41	78
Juli 8.9	42.187	200	36.90	94	43.626	317	45.59	153	28.420	272	24.22	108	5.604	248	28.63	68
18.9	42.387	227	37.84	92	43.943	364	44.06	136	28.692	309	23.14	94	5.852	280	27.95	57
28.9	42.614	249	38.76	85	44.307	403	42.70	116	29.001	341	22.20	79	6.132	308	27.38	48
Aug. 7.9	42.863	266	39.61	73	44.710	435	41.54	95	29.342	367	21.41	64	6.440	330	26.90	37
17.8	43.129	279	40.34	60	45.145	459	40.59	72	29.709	386	20.77	49	6.770	347	26.53	28
27.8	43.408	289	40.94	41	45.604	477	39.87	50	30.095	400	20.28	33	7.117	359	26.25	20
Sept. 6.8	43.697	294	41.35	20	46.081	488	39.37	26	30.495	409	19.95	18	7.476	367	26.05	11
16.8	43.991	296	41.55	$\overline{2}$	46.569	492	39.11	1	30.904	412	19.77	2	7.843	369	25.94	3
26.7	44.287	295	41.53	24	47.061	490	39.10	$\overline{22}$	31.316	410	19.75	$\overline{13}$	8.212	369	25.91	$\overline{5}$
Okt. 6.7	44.582	289	41.29	47	47.551	482	39.32	47	31.726	404	19.88	28	8.581	363	25.96	12
16.7	44.871	280	40.82	67	48.033	465	39.79	70	32.130	391	20.16	45	8.944	352	26.08	21
26.6	45.151	266	40.15	85	48.498	440	40.49	94	32.521	372	20.61	60	9.296	336	26.29	31
Nov. 5.6	45.417	248	39.30	97	48.938	407	41.43	116	32.893	346	21.21	77	9.632	313	26.60	41
15.6	45.665	223	38.33	107	49.345	364	42.59	137	33.239	312	21.98	91	9.945	283	27.01	51
25.6	45.888	193	37.26	111	49.709	312	43.96	156	33.551	269	22.89	106	10.228	246	27.52	61
Dez. 5.5	46.081	158	36.15	111	50.021	250	45.52	169	33.820	219	23.95	117	10.474	202	28.13	71
15.5	46.239	117	35.04	107	50.271	181	47.21	178	34.039	163	25.12	125	10.676	151	28.84	78
25.5	46.356	72	33.97	99	50.452	106	48.99	182	34.202	100	26.37	130	10.827	97	29.62	84
35.5	46.428		32.98		50.558		50.81		34.302		27.67		10.924		30.46	
Mittl. Ort	40.671		33.38		41.564		47.32		26.432		24.98		3.685		28.64	
sec δ, tg δ	1.008		+0.130		1.713		+1.391		1.413		+0.998		1.256		+0.759	

Mittlere Zeit Greenw.	229) η Columbae AR.		229) η Columbae Dekl.		232) ν Orionis AR.		232) ν Orionis Dekl.		234) 22 H. Camelop. AR.		234) 22 H. Camelop. Dekl.		236) η Geminorum AR.		236) η Geminorum Dekl.	
1917	5ʰ 56ᵐ		−42° 48′		6ʰ 2ᵐ		+14° 46′		6ʰ 9ᵐ		+69° 20′		6ʰ 9ᵐ		+22° 31′	
Jan. 0.5	38ˢ.795	23	70″.33	317	52ˢ.504	64	47″.52	51	48ˢ.20	9	68″.07	254	54ˢ.721	75	57″.16	6
10.4	38.772	81	73.50	290	52.568	14	47.01	43	48.29	3	70.61	245	54.796	23	57.10	2
20.4	38.691	135	76.40	256	52.582	33	46.58	34	48.26	17	73.06	228	54.819	27	57.12	7
30.4	38.556	184	78.96	217	52.549	77	46.24	26	48.09	27	75.34	200	54.792	75	57.19	9
Feb. 9.4	38.372	226	81.13	172	52.472	116	45.98	21	47.82	38	77.34	165	54.717	116	57.28	10
19.3	38.146	256	82.85	124	52.356	146	45.77	15	47.44	45	78.99	123	54.601	148	57.38	7
März 1.3	37.890	276	84.09	75	52.210	166	45.62	11	46.99	51	80.22	76	54.453	171	57.45	3
11.3	37.614	285	84.84	26	52.044	175	45.51	9	46.48	54	80.98	27	54.282	182	57.48	1
21.2	37.329	282	85.10	23	51.869	174	45.42	6	45.94	53	81.25	24	54.100	183	57.47	7
31.2	37.047	268	84.87	71	51.695	163	45.36	3	45.41	51	81.01	73	53.917	171	57.40	13
Apr. 10.2	36.779	243	84.16	116	51.532	141	45.33	0	44.90	46	80.28	118	53.746	150	57.27	16
20.2	36.536	211	83.00	159	51.391	112	45.33	4	44.44	38	79.10	159	53.596	120	57.11	20
30.1	36.325	169	81.41	198	51.279	76	45.37	10	44.06	30	77.51	193	53.476	83	56.91	21
Mai 10.1	36.156	123	79.43	232	51.203	36	45.47	16	43.76	20	75.58	220	53.393	43	56.70	20
20.1	36.033	74	77.11	261	51.167	6	45.63	24	43.56	10	73.38	239	53.350	1	56.50	18
30.1	35.959	21	74.50	282	51.173	48	45.87	30	43.46	2	70.99	251	53.351	45	56.32	14
Juni 9.0	35.938	31	71.68	297	51.221	90	46.17	38	43.48	13	68.48	257	53.396	89	56.18	10
19.0	35.969	82	68.71	305	51.311	130	46.55	43	43.61	24	65.91	254	53.485	130	56.08	4
29.0	36.051	132	65.66	303	51.441	165	46.98	48	43.85	34	63.37	245	53.615	168	56.04	0
Juli 8.9	36.183	178	62.63	293	51.606	198	47.46	50	44.19	43	60.92	231	53.783	202	56.04	4
18.9	36.361	220	59.70	274	51.804	226	47.96	50	44.62	52	58.61	212	53.985	231	56.08	6
28.9	36.581	257	56.96	245	52.030	249	48.46	47	45.14	59	56.49	188	54.216	257	56.14	8
Aug. 7.9	36.838	289	54.51	208	52.279	268	48.93	41	45.73	65	54.61	160	54.473	277	56.22	6
17.8	37.127	314	52.43	164	52.547	284	49.34	32	46.38	70	53.01	131	54.750	294	56.28	4
27.8	37.441	334	50.79	113	52.831	294	49.66	21	47.08	74	51.70	99	55.044	306	56.32	1
Sept. 6.8	37.775	346	49.66	57	53.125	301	49.87	7	47.82	77	50.71	65	55.350	314	56.31	8
16.8	38.121	352	49.09	3	53.426	305	49.94	8	48.59	78	50.06	29	55.664	320	56.23	15
26.7	38.473	349	49.12	64	53.731	306	49.86	24	49.37	79	49.77	8	55.984	322	56.08	22
Okt. 6.7	38.822	341	49.76	124	54.037	303	49.62	38	50.16	77	49.85	44	56.306	319	55.86	29
16.7	39.163	323	51.00	180	54.340	295	49.24	51	50.93	76	50.29	81	56.625	312	55.57	34
26.6	39.486	299	52.80	231	54.635	283	48.73	62	51.69	71	51.10	117	56.937	301	55.23	38
Nov. 5.6	39.785	267	55.11	273	54.918	265	48.11	69	52.40	66	52.27	152	57.238	284	54.85	38
15.6	40.052	227	57.84	307	55.183	242	47.42	74	53.06	59	53.79	183	57.522	261	54.47	37
25.6	40.279	180	60.91	329	55.425	213	46.68	74	53.65	50	55.62	210	57.783	230	54.10	33
Dez. 5.5	40.459	128	64.20	340	55.638	177	45.94	70	54.15	40	57.72	232	58.013	194	53.77	26
15.5	40.587	71	67.60	340	55.815	135	45.24	66	54.55	29	60.04	246	58.207	150	53.51	19
25.5	40.658	13	71.00	329	55.950	90	44.58	57	54.84	16	62.50	254	58.357	103	53.32	10
35.5	40.671		74.29		56.040		44.01		55.00		65.04		58.460		53.22	
Mittl. Ort	36.362		69.72		49.988		45.46		42.184		63.85		52.066		55.09	
sec δ, tg δ	1.363		−0.927		1.034		+0.264		2.836		+2.654		1.083		+0.415	

Mittlere Zeit Greenw.	240) ζ Canis maj.				241) μ Geminorum				242) ψ¹ Aurigae				243) β Canis maj.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$6^h\ 17^m$		$-30°\ 1'$		$6^h\ 17^m$		$+22°\ 33'$		$6^h\ 18^m$		$+49°\ 19'$		$6^h\ 19^m$		$-17°\ 54'$	
Jan. 0.5	9.889	31	32.59	287	59.049	84	27.85	7	34.062	101	56.47	154	4.942	49	49.68	237
10.4	9.920	22	35.46	267	59.133	31	27.78	1	34.163	27	58.01	153	4.991	1	52.05	219
20.4	9.898	72	38.13	239	59.164	20	27.79	7	34.190	44	59.54	146	4.992	46	54.24	195
30.4	9.826	119	40.52	205	59.144	68	27.86	10	34.146	110	61.00	133	4.946	91	56.19	166
Feb. 9.4	9.707	159	42.57	167	59.076	110	27.96	11	34.036	168	62.33	112	4.855	130	57.85	135
19.3	9.548	190	44.24	127	58.966	144	28.07	10	33.868	216	63.45	87	4.725	160	59.20	103
März 1.3	9.358	213	45.51	86	58.822	169	28.17	7	33.652	249	64.32	57	4.565	181	60.23	70
11.3	9.145	224	46.37	43	58.653	181	28.24	2	33.403	268	64.89	25	4.384	193	60.93	35
21.3	8.921	225	46.80	0	58.472	182	28.26	4	33.135	269	65.14	8	4.191	194	61.28	1
31.2	8.696	216	46.80	41	58.290	173	28.22	10	32.866	256	65.06	40	3.997	185	61.29	31
Apr. 10.2	8.480	197	46.39	81	58.117	153	28.12	14	32.610	230	64.66	71	3.812	168	60.98	63
20.2	8.283	170	45.58	119	57.964	124	27.98	18	32.380	190	63.95	98	3.644	142	60.35	94
30.2	8.113	137	44.39	154	57.840	89	27.80	20	32.190	142	62.97	121	3.502	111	59.41	122
Mai 10.1	7.976	98	42.85	185	57.751	49	27.60	20	32.048	87	61.76	139	3.391	74	58.19	148
20.1	7.878	55	41.00	213	57.702	6	27.40	18	31.961	26	60.37	151	3.317	35	56.71	171
30.1	7.823	12	38.87	235	57.696	38	27.22	15	31.935	34	58.86	160	3.282	6	55.00	189
Juni 9.0	7.811	32	36.52	251	57.734	81	27.07	12	31.969	95	57.26	162	3.288	47	53.11	203
19.0	7.843	75	34.01	261	57.815	122	26.95	7	32.064	154	55.64	161	3.335	86	51.08	211
29.0	7.918	117	31.40	263	57.937	160	26.88	4	32.218	208	54.03	155	3.421	124	48.97	214
Juli 9.0	8.035	155	28.77	257	58.097	195	26.84	0	32.426	257	52.48	146	3.545	158	46.83	210
18.9	8.190	191	26.20	243	58.292	225	26.84	2	32.683	302	51.02	135	3.703	189	44.73	199
28.9	8.381	222	23.77	221	58.517	250	26.86	2	32.985	340	49.67	122	3.892	217	42.74	182
Aug. 7.9	8.603	249	21.56	191	58.767	272	26.88	1	33.325	371	48.45	106	4.109	240	40.92	156
17.9	8.852	272	19.65	155	59.039	290	26.89	3	33.696	398	47.39	90	4.349	259	39.36	126
27.8	9.124	290	18.10	111	59.329	303	26.86	7	34.094	418	46.49	72	4.608	275	38.10	89
Sept. 6.8	9.414	304	16.99	61	59.632	313	26.79	14	34.512	433	45.77	54	4.883	286	37.21	48
16.8	9.718	311	16.38	9	59.945	319	26.65	21	34.945	442	45.23	36	5.169	293	36.73	3
26.7	10.029	314	16.29	45	60.264	322	26.44	29	35.387	446	44.87	16	5.462	296	36.70	42
Okt. 6.7	10.343	311	16.74	99	60.586	322	26.15	35	35.833	444	44.71	5	5.758	295	37.12	87
16.7	10.654	302	17.73	150	60.908	316	25.80	40	36.277	436	44.76	26	6.053	288	37.99	131
26.7	10.956	287	19.23	197	61.224	306	25.40	43	36.713	420	45.02	47	6.341	276	39.30	170
Nov. 5.6	11.243	264	21.20	237	61.530	289	24.97	44	37.133	395	45.49	68	6.617	257	41.00	202
15.6	11.507	236	23.57	269	61.819	268	24.53	42	37.528	362	46.17	91	6.874	233	43.02	228
25.6	11.743	200	26.26	291	62.087	238	24.11	38	37.890	319	47.08	110	7.107	203	45.30	245
Dez. 5.6	11.943	158	29.17	303	62.325	201	23.73	30	38.209	267	48.18	127	7.310	165	47.75	254
15.5	12.101	111	32.20	305	62.526	159	23.43	22	38.476	207	49.45	141	7.475	123	50.29	255
25.5	12.212	61	35.25	298	62.685	111	23.21	12	38.683	140	50.86	151	7.598	77	52.84	246
35.5	12.273		38.23		62.796		23.09		38.823		52.37		7.675		55.30	
Mittl. Ort	7.575		32.73		56.385		26.29		30.448		53.95		2.653		50.04	
sec δ, tg δ	1.155		−0.578		1.083		+0.415		1.534		+1.164		1.051		−0.323	

Mittlere Zeit Greenw.	244) 8 Monocerotis AR.		244) Dekl.		245) α Argus AR.		245) Dekl.		246) 10 Monocerotis AR.		246) Dekl.		247) 8 Lyncis AR.		247) Dekl.	
1917	$6^h\ 19^m$		$+4°\ 38'$		$6^h\ 22^m$		$-52°\ 38'$		$6^h\ 23^m$		$-4°\ 42'$		$6^h\ 30^m$		$+61°\ 33'$	
Jan. 0.5	24.616	72	10.21	117	9.147	20	59.51	351	53.994	68	35.38	172	11.22	13	22.22	216
10.4	24.688	24	9.04	103	9.127	92	63.02	328	54.062	21	37.10	156	11.35	3	24.38	215
20.4	24.712	23	8.01	88	9.035	159	66.30	297	54.083	26	38.66	136	11.38	6	26.53	206
30.4	24.689	68	7.13	73	8.876	220	69.27	258	54.057	71	40.02	116	11.32	16	28.59	187
Feb. 9.4	24.621	106	6.40	58	8.656	271	71.85	214	53.986	109	41.18	94	11.16	24	30.46	161
19.3	24.515	137	5.82	43	8.385	312	73.99	166	53.877	140	42.12	70	10.92	30	32.07	127
März 1.3	24.378	159	5.39	28	8.073	342	75.65	114	53.737	163	42.82	48	10.62	35	33.34	88
11.3	24.219	171	5.11	15	7.731	357	76.79	62	53.574	174	43.30	25	10.27	38	34.22	47
21.3	24.048	173	4.96	1	7.374	359	77.41	10	53.400	177	43.55	2	9.89	39	34.69	2
31.2	23.875	164	4.95	11	7.015	349	77.51	42	53.223	169	43.57	19	9.50	37	34.71	41
Apr. 10.2	23.711	146	5.06	24	6.666	327	77.09	93	53.054	152	43.38	40	9.13	34	34.30	83
20.2	23.565	120	5.30	36	6.339	295	76.16	139	52.902	127	42.98	60	8.79	30	33.47	121
30.2	23.445	88	5.66	48	6.044	253	74.77	183	52.775	96	42.38	80	8.49	23	32.26	154
Mai 10.1	23.357	51	6.14	61	5.791	204	72.94	223	52.679	61	41.58	98	8.26	16	30.72	180
20.1	23.306	13	6.75	72	5.587	149	70.71	256	52.618	23	40.60	114	8.10	9	28.92	201
30.1	23.293	28	7.47	82	5.438	91	68.15	284	52.595	17	39.46	127	8.01	0	26.91	216
Juni 9.0	23.321	68	8.29	91	5.347	30	65.31	304	52.612	56	38.19	139	8.01	8	24.75	224
19.0	23.389	105	9.20	97	5.317	30	62.27	315	52.668	94	36.80	146	8.09	16	22.51	225
29.0	23.494	141	10.17	99	5.347	91	59.12	319	52.762	129	35.34	149	8.25	23	20.26	222
Juli 9.0	23.635	173	11.16	99	5.438	149	55.93	312	52.891	161	33.85	147	8.48	31	18.04	213
18.9	23.808	201	12.15	95	5.587	204	52.81	297	53.052	191	32.38	140	8.79	37	15.91	200
28.9	24.009	226	13.10	87	5.791	255	49.84	272	53.243	216	30.98	127	9.16	42	13.91	182
Aug. 7.9	24.235	246	13.97	74	6.046	299	47.12	237	53.459	238	29.71	110	9.58	47	12.09	162
17.9	24.481	263	14.71	58	6.345	337	44.75	193	53.697	255	28.61	87	10.05	51	10.47	140
27.8	24.744	276	15.29	37	6.682	369	42.82	142	53.952	269	27.74	60	10.56	55	9.07	114
Sept. 6.8	25.020	286	15.66	14	7.051	392	41.40	85	54.221	281	27.14	28	11.11	57	7.93	87
16.8	25.306	292	15.80	10	7.443	406	40.55	24	54.502	288	26.86	5	11.68	58	7.06	58
26.7	25.598	296	15.70	36	7.849	411	40.31	41	54.790	291	26.91	39	12.26	59	6.48	28
Okt. 6.7	25.894	294	15.34	61	8.260	406	40.72	105	55.081	291	27.30	73	12.85	59	6.20	3
16.7	26.188	289	14.73	85	8.666	390	41.77	167	55.372	286	28.03	105	13.44	59	6.23	35
26.7	26.477	280	13.88	104	9.056	364	43.44	223	55.658	277	29.08	134	14.03	56	6.58	68
Nov. 5.6	26.757	265	12.84	120	9.420	328	45.67	273	55.935	262	30.42	157	14.59	53	7.26	99
15.6	27.022	243	11.64	132	9.748	281	48.40	313	56.197	240	31.99	175	15.12	48	8.25	130
25.6	27.265	216	10.32	136	10.029	226	51.53	342	56.437	212	33.74	186	15.60	43	9.55	158
Dez. 5.6	27.481	181	8.96	137	10.255	163	54.95	361	56.649	179	35.60	190	16.03	36	11.13	181
15.5	27.662	142	7.59	133	10.418	95	58.56	366	56.828	138	37.50	188	16.39	28	12.94	200
25.5	27.804	98	6.26	124	10.513	24	62.22	360	56.966	94	39.38	180	16.67	18	14.94	213
35.5	27.902		5.02		10.537		65.82		57.060		41.18		16.85		17.07	
Mittl. Ort	22.210		9.32		6.494		59.72		51.660		35.93		6.51		20.51	
sec δ, tg δ	1.003		+0.081		1.648		−1.310		1.003		−0.082		2.099		+1.846	

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	249) ξ² Canis maj.				248) 23 H. Camelop.				250) 51 Aurigae				251) γ Geminorum			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	6h 31m		−22° 53′		6h 32m		+79° 39′		6h 32m		+39° 27′		6h 32m		+16° 28′	
	s		″		s		″		s		″		s		″	
Jan. 0.5	36.934	57	53.54	265	16.62	19	27.97	291	57.683	111	55.59	94	57.623	95	16.60	48
10.5	36.991	5	56.19	247	16.81	5	30.88	286	57.794	50	56.53	100	57.718	44	16.12	38
20.4	36.996	44	58.66	222	16.76	29	33.74	271	57.844	13	57.53	99	57.762	7	15.74	27
30.4	36.952	90	60.88	192	16.47	53	36.45	245	57.831	71	58.52	95	57.755	55	15.47	18
Feb. 9.4	36.862	130	62.80	159	15.94	73	38.90	209	57.760	124	59.47	84	57.700	97	15.29	10
19.4	36.732	164	64.39	123	15.21	89	40.99	164	57.636	167	60.31	70	57.603	132	15.19	5
März 1.3	36.568	187	65.62	86	14.32	101	42.63	114	57.469	198	61.01	50	57.471	157	15.14	2
11.3	36.381	201	66.48	49	13.31	109	43.77	59	57.271	218	61.51	28	57.314	172	15.12	0
21.3	36.180	204	66.97	11	12.22	111	44.36	1	57.053	222	61.79	5	57.142	176	15.12	1
31.2	35.976	197	67.08	25	11.11	108	44.37	55	56.831	214	61.84	18	56.966	170	15.13	2
Apr. 10.2	35.779	182	66.83	61	10.03	101	43.82	109	56.617	194	61.66	40	56.796	152	15.15	2
20.2	35.597	158	66.22	96	9.02	89	42.73	157	56.423	163	61.26	60	56.644	127	15.17	4
30.2	35.439	127	65.26	127	8.13	75	41.16	201	56.260	123	60.66	78	56.517	96	15.21	5
Mai 10.1	35.312	91	63.99	156	7.38	57	39.15	236	56.137	78	59.88	91	56.421	58	15.26	9
20.1	35.221	53	62.43	181	6.81	37	36.79	265	56.059	29	58.97	101	56.363	19	15.35	13
30.1	35.168	12	60.62	203	6.44	17	34.14	284	56.030	21	57.96	107	56.344	22	15.48	16
Juni 9.1	35.156	29	58.59	218	6.27	5	31.30	296	56.051	73	56.89	111	56.366	63	15.64	21
19.0	35.185	69	56.41	229	6.32	25	28.34	299	56.124	122	55.78	110	56.429	103	15.85	25
29.0	35.254	108	54.12	232	6.57	46	25.35	295	56.246	168	54.68	107	56.532	139	16.10	27
Juli 9.0	35.362	144	51.80	229	7.03	66	22.40	285	56.414	210	53.61	103	56.671	173	16.37	28
18.9	35.506	177	49.51	218	7.69	83	19.55	267	56.624	247	52.58	97	56.844	202	16.65	27
28.9	35.683	207	47.33	200	8.52	99	16.88	244	56.871	280	51.61	89	57.046	229	16.92	24
Aug. 7.9	35.890	233	45.33	174	9.51	113	14.44	216	57.151	308	50.72	81	57.275	251	17.16	19
17.9	36.123	255	43.59	142	10.64	125	12.28	184	57.459	332	49.91	73	57.526	270	17.35	10
27.8	36.378	274	42.17	103	11.89	135	10.44	148	57.791	350	49.18	65	57.796	284	17.45	1
Sept. 6.8	36.652	287	41.14	59	13.24	142	8.96	110	58.141	365	48.53	57	58.080	296	17.44	12
16.8	36.939	297	40.55	12	14.66	147	7.86	69	58.506	376	47.96	47	58.376	305	17.32	27
26.8	37.236	303	40.43	38	16.13	149	7.17	26	58.882	382	47.49	37	58.681	310	17.05	40
Okt. 6.7	37.539	303	40.81	87	17.62	149	6.91	18	59.264	383	47.12	26	58.991	312	16.65	52
16.7	37.842	297	41.68	135	19.11	145	7.09	63	59.647	379	46.86	14	59.303	309	16.13	65
26.7	38.139	287	43.03	177	20.56	138	7.72	106	60.026	369	46.72	1	59.612	301	15.48	73
Nov. 5.6	38.426	269	44.80	215	21.94	129	8.78	150	60.395	352	46.71	14	59.913	288	14.75	78
15.6	38.695	244	46.95	244	23.23	116	10.28	189	60.747	327	46.85	30	60.201	268	13.97	81
25.6	38.939	214	49.39	266	24.39	99	12.17	224	61.074	294	47.15	46	60.469	241	13.16	79
Dez. 5.6	39.153	176	52.05	277	25.38	80	14.41	254	61.368	252	47.61	63	60.710	207	12.37	73
15.5	39.329	132	54.82	280	26.18	58	16.95	275	61.620	201	48.24	77	60.917	167	11.64	66
25.5	39.461	86	57.62	273	26.76	34	19.70	288	61.821	145	49.01	88	61.084	121	10.98	55
35.5	39.547		60.35		27.10		22.58		61.966		49.89		61.205		10.43	
Mittl. Ort	34.643		53.87		5.51		26.00		54.534		54.69		55.061		16.08	
sec δ, tg δ	1.086		−0.422		5.570		+5.479		1.295		+0.823		1.043		+0.296	

Mittlere Zeit Greenw.	252) ν Argus				253) *S* Monocerotis				254) ε Geminorum				256) ξ Geminorum			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	6h 35m		−43° 7′		6h 36m		+9° 58′		6h 38m		+25° 12′		6h 40m		+12° 59′	
Jan. 0.5	15.715 s	27	21.22 ″	338	26.934 s	93	24.80 ″	89	52.340 s	107	52.07 ″	5	40.411 s	98	9.82 ″	73
10.5	15.742	35	24.60	318	27.027	43	23.91	77	52.447	54	52.12	15	40.509	49	9.09	60
20.4	15.707	94	27.78	289	27.070	6	23.14	63	52.501	1	52.27	22	40.558	1	8.49	47
30.4	15.613	148	30.67	254	27.064	52	22.51	50	52.500	52	52.49	27	40.557	49	8.02	36
Feb. 9.4	15.465	196	33.21	214	27.012	94	22.01	37	52.448	98	52.76	28	40.508	91	7.66	25
19.4	15.269	235	35.35	169	26.918	128	21.64	27	52.350	136	53.04	26	40.417	126	7.41	17
März 1.3	15.034	262	37.04	121	26.790	154	21.37	16	52.214	163	53.30	21	40.291	153	7.24	9
11.3	14.772	278	38.25	73	26.636	168	21.21	8	52.051	181	53.51	15	40.138	169	7.15	4
21.3	14.494	283	38.98	23	26.468	172	21.13	0	51.870	186	53.66	6	39.969	173	7.11	2
31.2	14.211	277	39.21	25	26.296	167	21.13	6	51.684	180	53.72	3	39.796	169	7.13	5
Apr. 10.2	13.934	260	38.96	72	26.129	151	21.19	14	51.504	164	53.69	11	39.627	153	7.18	9
20.2	13.674	233	38.24	118	25.978	127	21.33	22	51.340	138	53.58	18	39.474	129	7.27	13
30.2	13.441	199	37.06	160	25.851	96	21.55	28	51.202	104	53.40	24	39.345	99	7.40	18
Mai 10.1	13.242	159	35.46	198	25.755	61	21.83	36	51.098	66	53.16	28	39.246	64	7.58	23
20.1	13.083	113	33.48	230	25.694	23	22.19	44	51.032	25	52.88	30	39.182	26	7.81	29
30.1	12.970	65	31.18	258	25.671	16	22.63	51	51.007	19	52.58	31	39.156	14	8.10	33
Juni 9.1	12.905	15	28.60	279	25.687	56	23.14	56	51.026	61	52.27	30	39.170	54	8.43	39
19.0	12.890	36	25.81	293	25.743	95	23.70	61	51.087	104	51.97	28	39.224	92	8.82	42
29.0	12.926	85	22.88	297	25.838	130	24.31	64	51.191	142	51.69	27	39.316	129	9.24	45
Juli 9.0	13.011	132	19.91	294	25.968	162	24.95	64	51.333	178	51.42	24	39.445	162	9.69	45
18.9	13.143	177	16.97	282	26.130	192	25.59	61	51.511	210	51.18	23	39.607	191	10.14	42
28.9	13.320	219	14.15	259	26.322	218	26.20	55	51.721	238	50.95	23	39.798	217	10.56	38
Aug. 7.9	13.539	255	11.56	229	26.540	240	26.75	46	51.959	262	50.72	24	40.015	241	10.94	30
17.9	13.794	287	9.27	189	26.780	258	27.21	33	52.221	282	50.48	26	40.256	259	11.24	19
27.8	14.081	314	7.38	142	27.038	274	27.54	16	52.503	299	50.22	30	40.515	275	11.43	5
Sept. 6.8	14.395	335	5.96	88	27.312	286	27.70	1	52.802	313	49.92	35	40.790	288	11.48	10
16.8	14.730	349	5.08	30	27.598	295	27.69	21	53.115	322	49.57	39	41.078	298	11.38	27
26.8	15.079	357	4.78	30	27.893	301	27.48	42	53.437	328	49.18	43	41.376	304	11.11	44
Okt. 6.7	15.436	356	5.08	92	28.194	303	27.06	61	53.765	332	48.75	48	41.680	307	10.67	61
16.7	15.792	347	6.00	151	28.497	300	26.45	79	54.097	329	48.27	50	41.987	305	10.06	76
26.7	16.139	331	7.51	206	28.797	293	25.66	95	54.426	322	47.77	50	42.292	299	9.30	88
Nov. 5.6	16.470	305	9.57	254	29.090	281	24.71	106	54.748	309	47.27	48	42.591	287	8.42	97
15.6	16.775	271	12.11	294	29.371	261	23.65	112	55.057	288	46.79	42	42.878	268	7.45	102
25.6	17.046	229	15.05	323	29.632	236	22.53	115	55.345	261	46.37	35	43.146	242	6.43	101
Dez. 5.6	17.275	179	18.28	342	29.868	203	21.38	113	55.606	226	46.02	24	43.388	210	5.42	98
15.5	17.454	123	21.70	350	30.071	163	20.25	107	55.832	184	45.78	13	43.598	170	4.44	90
25.5	17.577	63	25.20	345	30.234	118	19.18	96	56.016	135	45.65	2	43.768	125	3.54	80
35.5	17.640		28.65		30.352		18.22		56.151		45.63		43.893		2.74	
Mittl. Ort	13.273		21.80		24.464		24.52		49.611		51.83		37.899		9.73	
sec δ, tg δ	1.370		−0.937		1.015		+0.176		1.105		+0.471		1.026		+0.231	

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	257) α Canis maj.*)				258) 18 Monocerotis				261) ϑ Geminorum				262) α Pictoris			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	6h 41m		−16° 35′		6h 43m		+2° 30′		6h 47m		+34° 3′		6h 47m		−61° 50′	
Jan. 0.5	31.593	68	66.41	243	34.419	94	13.84	137	22.185	124	44.38	59	23.46	2	65.72	372
10.5	31.661	19	68.84	225	34.513	45	12.47	122	22.309	66	44.97	67	23.44	10	69.44	355
20.4	31.680	30	71.09	201	34.558	4	11.25	105	22.375	6	45.64	72	23.34	20	72.99	329
30.4	31.650	75	73.10	175	34.554	50	10.20	88	22.381	51	46.36	73	23.14	27	76.28	293
Feb. 9.4	31.575	116	74.85	145	34.504	91	9.32	70	22.330	101	47.09	69	22.87	34	79.21	253
19.4	31.459	150	76.30	112	34.413	126	8.62	52	22.229	144	47.78	60	22.53	40	81.74	205
März 1.3	31.309	173	77.42	80	34.287	151	8.10	36	22.085	176	48.38	48	22.13	44	83.79	155
11.3	31.136	187	78.22	47	34.136	167	7.74	19	21.909	197	48.86	31	21.69	47	85.34	103
21.3	30.949	192	78.69	15	33.969	171	7.55	4	21.712	204	49.17	15	21.22	48	86.37	49
31.2	30.757	186	78.84	18	33.798	167	7.51	11	21.508	199	49.32	4	20.74	48	86.86	5
Apr. 10.2	30.571	171	78.66	48	33.631	153	7.62	25	21.309	183	49.28	20	20.26	45	86.81	57
20.2	30.400	148	78.18	78	33.478	131	7.87	38	21.126	157	49.08	37	19.81	43	86.24	108
30.2	30.252	119	77.40	105	33.347	102	8.25	52	20.969	123	48.71	52	19.38	38	85.16	156
Mai 10.1	30.133	85	76.35	131	33.245	68	8.77	65	20.846	82	48.19	62	19.00	32	83.60	199
20.1	30.048	47	75.04	152	33.177	32	9.42	77	20.764	37	47.57	72	18.68	26	81.61	238
30.1	30.001	8	73.52	171	33.145	6	10.19	87	20.727	9	46.85	77	18.42	20	79.23	271
Juni 9.1	29.993	31	71.81	186	33.151	45	11.06	95	20.736	55	46.08	81	18.22	13	76.52	297
19.0	30.024	70	69.95	195	33.196	82	12.01	101	20.791	101	45.27	82	18.09	4	73.55	314
29.0	30.094	107	68.00	197	33.278	117	13.02	104	20.892	144	44.45	81	18.05	3	70.41	323
Juli 9.0	30.201	142	66.03	195	33.395	150	14.06	103	21.036	182	43.64	79	18.08	11	67.18	322
18.9	30.343	173	64.08	186	33.545	179	15.09	99	21.218	219	42.85	76	18.19	18	63.96	313
28.9	30.516	202	62.22	170	33.724	205	16.08	89	21.437	250	42.09	74	18.37	25	60.83	292
Aug. 7.9	30.718	226	60.52	147	33.929	228	16.97	76	21.687	277	41.35	69	18.62	32	57.91	261
17.9	30.944	247	59.05	118	34.157	247	17.73	58	21.964	301	40.66	67	18.94	37	55.30	222
27.8	31.191	264	57.87	83	34.404	264	18.31	36	22.265	320	39.99	63	19.31	43	53.08	174
Sept. 6.8	31.455	279	57.04	44	34.668	277	18.67	12	22.585	335	39.36	60	19.74	47	51.34	117
16.8	31.734	288	56.60	1	34.945	287	18.79	14	22.920	348	38.76	57	20.21	49	50.17	56
26.8	32.022	295	56.59	44	35.232	294	18.65	43	23.268	357	38.19	53	20.70	51	49.61	9
Okt. 6.7	32.317	296	57.03	88	35.526	297	18.22	70	23.625	360	37.66	47	21.21	51	49.70	75
16.7	32.613	293	57.91	131	35.823	295	17.52	95	23.985	360	37.19	40	21.72	49	50.45	140
26.7	32.906	284	59.22	169	36.118	290	16.57	117	24.345	353	36.79	31	22.21	47	51.85	201
Nov. 5.6	33.190	268	60.91	203	36.408	277	15.40	136	24.698	340	36.48	21	22.68	43	53.86	257
15.6	33.458	246	62.94	229	36.685	259	14.04	148	25.038	319	36.27	7	23.11	37	56.43	303
25.6	33.704	218	65.23	246	36.944	234	12.56	156	25.357	290	36.20	7	23.48	30	59.46	339
Dez. 5.6	33.922	183	67.69	257	37.178	202	11.00	158	25.647	253	36.27	22	23.78	22	62.85	364
15.5	34.105	141	70.26	258	37.380	163	9.42	153	25.900	207	36.49	37	24.00	13	66.49	377
25.5	34.246	96	72.84	251	37.543	119	7.89	144	26.107	154	36.86	51	24.13	4	70.26	378
35.5	34.342		75.35		37.662		6.45		26.261		37.37		24.17		74.04	
Mittl. Ort	29.303		66.45		32.029		13.82		19.221		44.74		20.44		67.21	
sec δ, tg δ	1.044		−0.298		1.001		+0.044		1.207		+0.676		2.120		−1.869	

*) Ort des Hauptsterns; die jährliche Parallaxe (0.38) ist bereits berücksichtigt.

Mittlere Zeit Greenw.	265) 15 Lyncis AR.	Δ	265) 15 Lyncis Dekl.	Δ	266) ϑ Canis majoris AR.	Δ	266) ϑ Canis majoris Dekl.	Δ
	6h 50m		+58° 31′		6h 50m		−11° 55′	
1917	s		″		s		″	
Jan. 0.5	10.020	163	58.54	198	22.323	87	61.77	220
10.5	10.183	72	60.52	202	22.410	38	63.97	203
20.5	10.255	19	62.54	199	22.448	11	66.00	182
30.4	10.236	105	64.53	187	22.437	57	67.82	158
Feb. 9.4	10.131	183	66.40	166	22.380	99	69.40	131
19.4	9.948	249	68.06	139	22.281	134	70.71	103
März 1.3	9.699	300	69.45	105	22.147	159	71.74	74
11.3	9.399	332	70.50	66	21.988	176	72.48	45
21.3	9.067	346	71.16	25	21.812	183	72.93	16
31.3	8.721	341	71.41	16	21.629	178	73.09	11
Apr. 10.2	8.380	317	71.25	56	21.451	166	72.98	39
20.2	8.063	280	70.69	94	21.285	145	72.59	65
30.2	7.783	229	69.75	127	21.140	118	71.94	90
Mai 10.2	7.554	168	68.48	156	21.022	86	71.04	113
20.1	7.386	101	66.92	179	20.936	50	69.91	133
30.1	7.285	29	65.13	197	20.886	12	68.58	150
Juni 9.1	7.256	44	63.16	207	20.874	26	67.08	164
19.0	7.300	116	61.09	214	20.900	63	65.44	173
29.0	7.416	185	58.95	214	20.963	99	63.71	178
Juli 9.0	7.601	250	56.81	210	21.062	133	61.93	176
19.0	7.851	309	54.71	201	21.195	164	60.17	169
28.9	8.160	362	52.70	189	21.359	192	58.48	155
Aug. 7.9	8.522	409	50.81	173	21.551	216	56.93	136
17.9	8.931	449	49.08	155	21.767	239	55.57	110
27.8	9.380	482	47.53	133	22.006	256	54.47	79
Sept. 6.8	9.862	510	46.20	110	22.262	272	53.68	43
16.8	10.372	529	45.10	85	22.534	284	53.25	5
26.8	10.901	543	44.25	58	22.818	292	53.20	36
Okt. 6.7	11.444	549	43.67	29	23.110	296	53.56	77
16.7	11.993	545	43.38	2	23.406	295	54.33	116
26.7	12.538	532	43.40	32	23.701	288	55.49	152
Nov. 5.7	13.070	509	43.72	65	23.989	276	57.01	182
15.6	13.579	474	44.37	95	24.265	258	58.83	206
25.6	14.053	425	45.32	125	24.523	231	60.89	224
Dez. 5.6	14.478	365	46.57	152	24.754	198	63.13	232
15.5	14.843	293	48.09	174	24.952	158	65.45	233
25.5	15.136	211	49.83	191	25.110	114	67.78	226
35.5	15.347		51.74		25.224		70.04	
Mittl. Ort	5.647		59.03		20.025		61.88	
sec δ, tg δ	1.916		+1.634		1.022		−0.211	

Mittlere Zeit Greenw.	268) ε Canis majoris AR.	Δ	268) ε Canis majoris Dekl.	Δ	269) ζ Geminorum AR.	Δ	269) ζ Geminorum Dekl.	Δ
	6h 55m		−28° 51′		6h 59m		+20° 41′	
1917	s		″		s		″	
Jan. 0.5	24.089	76	29.68	299	13.882	124	34.13	29
10.5	24.165	21	32.67	283	14.006	72	33.84	16
20.5	24.186	32	35.50	258	14.078	19	33.68	4
30.4	24.154	82	38.08	229	14.097	33	33.64	5
Feb. 9.4	24.072	126	40.37	194	14.064	79	33.69	12
19.4	23.946	163	42.31	157	13.985	119	33.81	15
März 1.3	23.783	192	43.88	117	13.866	149	33.96	17
11.3	23.591	209	45.05	77	13.717	169	34.13	15
21.3	23.382	217	45.82	34	13.548	178	34.28	12
31.3	23.165	215	46.16	6	13.370	175	34.40	9
Apr. 10.2	22.950	202	46.10	46	13.195	163	34.49	3
20.2	22.748	182	45.64	84	13.032	141	34.52	0
30.2	22.566	154	44.80	121	12.891	112	34.52	3
Mai 10.2	22.412	120	43.59	154	12.779	78	34.49	6
20.1	22.292	84	42.05	184	12.701	39	34.43	7
30.1	22.208	44	40.21	209	12.662	0	34.36	7
Juni 9.1	22.164	2	38.12	228	12.662	40	34.29	7
19.0	22.162	39	35.84	242	12.702	80	34.22	6
29.0	22.201	79	33.42	249	12.782	118	34.16	6
Juli 9.0	22.280	118	30.93	248	12.900	152	34.10	6
19.0	22.398	153	28.45	239	13.052	184	34.04	8
28.9	22.551	187	26.06	222	13.236	212	33.96	10
Aug. 7.9	22.738	218	23.84	198	13.448	238	33.86	15
17.9	22.956	245	21.86	166	13.686	259	33.71	21
27.8	23.201	268	20.20	125	13.945	278	33.50	29
Sept. 6.8	23.469	286	18.95	80	14.223	293	33.21	39
16.8	23.755	302	18.15	30	14.516	306	32.82	48
26.8	24.057	312	17.85	23	14.822	316	32.34	57
Okt. 6.7	24.369	316	18.08	77	15.138	322	31.77	67
16.7	24.685	315	18.85	129	15.460	323	31.10	73
26.7	25.000	307	20.14	178	15.783	319	30.37	77
Nov. 5.7	25.307	291	21.92	221	16.102	310	29.60	79
15.6	25.598	268	24.13	256	16.412	293	28.81	77
25.6	25.866	238	26.69	283	16.705	269	28.04	71
Dez. 5.6	26.104	200	29.52	301	16.974	237	27.33	61
15.5	26.304	154	32.53	308	17.211	198	26.72	50
25.5	26.458	105	35.61	305	17.409	151	26.22	37
35.5	26.563		38.66		17.560		25.85	
Mittl. Ort	21.791		30.33		11.249		35.18	
sec δ, tg δ	1.142		−0.551		1.069		+0.378	

Mittlere Zeit Greenw.	271) γ Canis majoris AR.		Dekl.		273) δ Canis majoris AR.		Dekl.	
1917	7h 0m		−15° 30′		7h 5m		−26° 15′	
Jan. 0.5	2.512	94	35.45	241	3.237	89	37.96	292
10.5	2.606	44	37.86	225	3.326	36	40.88	276
20.5	2.650	6	40.11	203	3.362	17	43.64	254
30.4	2.644	54	42.14	178	3.345	67	46.18	225
Feb. 9.4	2.590	96	43.92	150	3.278	112	48.43	192
19.4	2.494	132	45.42	119	3.166	150	50.35	157
März 1.4	2.362	160	46.61	88	3.016	179	51.92	119
11.3	2.202	178	47.49	57	2.837	198	53.11	80
21.3	2.024	185	48.06	25	2.639	207	53.91	40
31.3	1.839	184	48.31	6	2.432	207	54.31	1
Apr. 10.2	1.655	172	48.25	37	2.225	195	54.32	37
20.2	1.483	153	47.88	66	2.030	177	53.95	74
30.2	1.330	127	47.22	93	1.853	152	53.21	109
Mai 10.2	1.203	96	46.29	118	1.701	119	52.12	141
20.1	1.107	61	45.11	141	1.582	84	50.71	171
30.1	1.046	24	43.70	160	1.498	46	49.00	195
Juni 9.1	1.022	14	42.10	176	1.452	7	47.05	214
19.1	1.036	51	40.34	186	1.445	33	44.91	229
29.0	1.087	87	38.48	192	1.478	73	42.62	235
Juli 9.0	1.174	122	36.56	191	1.551	110	40.27	236
19.0	1.296	154	34.65	184	1.661	145	37.91	229
28.9	1.450	183	32.81	170	1.806	177	35.62	214
Aug. 7.9	1.633	209	31.11	150	1.983	208	33.48	191
17.9	1.842	233	29.61	123	2.191	235	31.57	160
27.9	2.075	253	28.38	90	2.426	258	29.97	123
Sept. 6.8	2.328	270	27.48	53	2.684	279	28.74	79
16.8	2.598	283	26.95	12	2.963	294	27.95	31
26.8	2.881	294	26.83	31	3.257	306	27.64	20
Okt. 6.8	3.175	299	27.14	76	3.563	312	27.84	72
16.7	3.474	299	27.90	118	3.875	313	28.56	123
26.7	3.773	295	29.08	157	4.188	307	29.79	170
Nov. 5.7	4.068	283	30.65	191	4.495	294	31.49	212
15.6	4.351	265	32.56	218	4.789	274	33.61	248
25.6	4.616	238	34.74	238	5.063	245	36.09	274
Dez. 5.6	4.854	206	37.12	249	5.308	209	38.83	291
15.6	5.060	166	39.61	252	5.517	166	41.74	299
25.5	5.226	121	42.13	248	5.683	118	44.73	298
35.5	5.347		44.61		5.801		47.71	
Mittl. Ort	0.229		35.59		0.955		38.59	
sec δ, tg δ	1.038		−0.277		1.115		−0.493	

Mittlere Zeit Greenw.	274) 63 Aurigae AR.		Dekl.		277) λ Geminorum AR.		Dekl.	
1917	7h 5m		+39° 27′		7h 13m		+16° 41′	
Jan. 0.5	60.095	152	23.72	86	22.008	135	26.04	58
10.5	60.247	90	24.58	98	22.143	83	25.46	44
20.5	60.337	26	25.56	104	22.226	31	25.02	30
30.4	60.363	37	26.60	105	22.257	20	24.72	17
Feb. 9.4	60.326	93	27.65	101	22.237	67	24.55	6
19.4	60.233	142	28.66	89	22.170	107	24.49	2
März 1.4	60.091	180	29.55	74	22.063	139	24.51	7
11.3	59.911	206	30.29	54	21.924	160	24.58	11
21.3	59.705	218	30.83	32	21.764	171	24.69	13
31.3	59.487	217	31.15	9	21.593	171	24.82	12
Apr. 10.2	59.270	204	31.24	15	21.422	161	24.94	12
20.2	59.066	180	31.09	38	21.261	143	25.06	12
30.2	58.886	147	30.71	58	21.118	117	25.18	11
Mai 10.2	58.739	107	30.13	75	21.001	84	25.29	11
20.1	58.632	62	29.38	90	20.917	49	25.40	12
30.1	58.570	14	28.48	102	20.868	12	25.52	12
Juni 9.1	58.556	35	27.46	110	20.856	26	25.64	13
19.1	58.591	82	26.36	115	20.882	64	25.77	15
29.0	58.673	128	25.21	117	20.946	101	25.92	13
Juli 9.0	58.801	171	24.04	117	21.047	134	26.05	13
19.0	58.972	210	22.87	115	21.181	166	26.18	10
28.9	59.182	245	21.72	113	21.347	194	26.28	5
Aug. 7.9	59.427	277	20.59	109	21.541	220	26.33	3
17.9	59.704	304	19.50	103	21.761	242	26.30	12
27.9	60.008	328	18.47	97	22.003	262	26.18	23
Sept. 6.8	60.336	348	17.50	90	22.265	279	25.95	36
16.8	60.684	364	16.60	83	22.544	294	25.59	50
26.8	61.048	377	15.77	74	22.838	306	25.09	63
Okt. 6.8	61.425	385	15.03	63	23.144	313	24.46	77
16.7	61.810	387	14.40	51	23.457	317	23.69	88
26.7	62.197	383	13.89	36	23.774	317	22.81	96
Nov. 5.7	62.580	373	13.53	19	24.091	309	21.85	101
15.6	62.953	353	13.34	0	24.400	295	20.84	102
25.6	63.306	324	13.34	20	24.695	272	19.82	99
Dez. 5.6	63.630	287	13.54	41	24.967	243	18.83	91
15.6	63.917	239	13.95	59	25.210	206	17.92	81
25.5	64.156	186	14.54	77	25.416	161	17.11	67
35.5	64.342		15.31		25.577		16.44	
Mittl. Ort	56.950		25.69		19.455		27.79	
sec δ, tg δ	1.295		+0.823		1.044		+0.300	

Mittlere Zeit Greenw.	278) π Argus AR.		278) π Argus Dekl.		279) δ Geminorum AR.		279) δ Geminorum Dekl.		280) 19 Lyncis sq. AR.		280) 19 Lyncis sq. Dekl.		281) δ Volantis AR.		281) δ Volantis Dekl.	
1917	$7^h 14^m$		−36° 56′		$7^h 15^m$		+22° 7′		$7^h 16^m$		+55° 26′		$7^h 16^m$		−67° 48′	
Jan. 0.5	14.973	88	50.85	334	12.720	141	68.36	25	10.106	199	17.70	175	56.03	3	16.13	384
10.5	15.061	29	54.19	320	12.861	89	68.11	10	10.305	115	19.45	186	56.06	9	19.97	375
20.5	15.090	29	57.39	298	12.950	35	68.01	3	10.420	30	21.31	189	55.97	20	23.72	356
30.4	15.061	83	60.37	269	12.985	18	68.04	13	10.450	54	23.20	185	55.77	30	27.28	327
Feb. 9.4	14.978	133	63.06	234	12.967	67	68.17	21	10.396	130	25.05	171	55.47	39	30.55	291
19.4	14.845	175	65.40	194	12.900	109	68.38	25	10.266	197	26.76	151	55.08	47	33.46	248
März 1.4	14.670	207	67.34	152	12.791	142	68.63	26	10.069	250	28.27	124	54.61	53	35.94	201
11.3	14.463	230	68.86	108	12.649	165	68.89	24	9.819	288	29.51	90	54.08	57	37.95	151
21.3	14.233	242	69.94	62	12.484	176	69.13	20	9.531	308	30.41	53	53.51	60	39.46	99
31.3	13.991	243	70.56	16	12.308	176	69.33	15	9.223	311	30.94	15	52.91	60	40.45	45
Apr. 10.3	13.748	234	70.72	28	12.132	167	69.48	8	8.912	298	31.09	24	52.31	59	40.90	9
20.2	13.514	215	70.44	72	11.965	148	69.56	3	8.614	270	30.85	62	51.72	57	40.81	61
30.2	13.299	190	69.72	114	11.817	122	69.59	4	8.344	230	30.23	95	51.15	52	40.20	112
Mai 10.2	13.109	158	68.58	152	11.695	89	69.55	8	8.114	179	29.28	126	50.63	47	39.08	160
20.1	12.951	121	67.06	186	11.606	52	69.47	11	7.935	122	28.02	152	50.16	41	37.48	203
30.1	12.830	80	65.20	217	11.554	13	69.36	14	7.813	59	26.50	173	49.75	33	35.45	242
Juni 9.1	12.750	38	63.03	241	11.541	26	69.22	16	7.754	6	24.77	189	49.42	24	33.03	273
19.1	12.712	5	60.62	259	11.567	65	69.06	17	7.760	70	22.88	199	49.18	15	30.30	297
29.0	12.717	49	58.03	269	11.632	103	68.89	19	7.830	133	20.89	205	49.03	6	27.33	313
Juli 9.0	12.766	92	55.34	272	11.735	138	68.70	20	7.963	192	18.84	206	48.97	3	24.20	320
19.0	12.858	133	52.62	265	11.873	170	68.50	22	8.155	248	16.78	203	49.00	13	21.00	318
29.0	12.991	171	49.97	251	12.043	200	68.28	26	8.403	299	14.75	197	49.13	23	17.82	304
Aug. 7.9	13.162	208	47.46	227	12.243	226	68.02	31	8.702	345	12.78	185	49.36	31	14.78	281
17.9	13.370	240	45.19	195	12.469	250	67.71	36	9.047	386	10.93	172	49.67	40	11.97	247
27.9	13.610	270	43.24	154	12.719	270	67.35	44	9.433	421	9.21	157	50.07	47	9.50	203
Sept. 6.8	13.880	295	41.70	107	12.989	289	66.91	53	9.854	451	7.64	138	50.54	53	7.47	152
16.8	14.175	315	40.63	53	13.278	303	66.38	62	10.305	475	6.26	117	51.07	58	5.95	94
26.8	14.490	330	40.10	3	13.581	316	65.76	70	10.780	494	5.09	94	51.65	61	5.01	31
Okt. 6.8	14.820	338	40.13	61	13.897	324	65.06	77	11.274	506	4.15	67	52.26	63	4.70	36
16.7	15.158	340	40.74	119	14.221	328	64.29	83	11.780	510	3.48	40	52.89	62	5.06	103
26.7	15.498	334	41.93	174	14.549	328	63.46	85	12.290	506	3.08	11	53.51	60	6.09	167
Nov. 5.7	15.832	319	43.67	223	14.877	320	62.61	85	12.796	492	2.97	22	54.11	55	7.76	227
15.7	16.151	296	45.90	266	15.197	306	61.76	81	13.288	466	3.19	53	54.66	49	10.03	279
25.6	16.447	263	48.56	299	15.503	284	60.95	73	13.754	428	3.72	84	55.15	42	12.82	322
Dez. 5.6	16.710	223	51.55	322	15.787	253	60.22	62	14.182	377	4.56	115	55.57	31	16.04	355
15.6	16.933	175	54.77	336	16.040	215	59.60	49	14.559	316	5.71	142	55.88	22	19.59	376
25.5	17.108	121	58.13	337	16.255	169	59.11	34	14.875	242	7.13	163	56.10	10	23.35	384
35.5	17.229		61.50		16.424		58.77		15.117		8.76		56.20		27.19	
Mittl. Ort	12.640		52.22		10.070		70.47		6.047		20.91		52.63		19.30	
sec δ, tg δ	1.251		−0.752		1.080		+0.407		1.763		+1.452		2.647		−2.451	

Mittlere Zeit Greenw.	282) ι Geminorum AR.		282) ι Geminorum Dekl.		284) Gr. 1308 AR.		284) Gr. 1308 Dekl.	
1917	$7^h 20^m$		+27° 57′		$7^h 22^m$		+68° 37′	
Jan. 0.5	37.216	153	48.08	10	21.25	28	68.89	237
10.5	37.369	99	48.18	25	21.53	14	71.26	248
20.5	37.468	41	48.43	37	21.67	2	73.74	249
30.4	37.509	14	48.80	46	21.69	10	76.23	240
Feb. 9.4	37.495	66	49.26	50	21.59	23	78.63	221
19.4	37.429	110	49.76	51	21.36	32	80.84	193
März 1.4	37.319	146	50.27	47	21.04	41	82.77	157
11.3	37.173	171	50.74	40	20.63	47	84.34	115
21.3	37.002	184	51.14	30	20.16	50	85.49	67
31.3	36.818	186	51.44	18	19.66	51	86.16	18
Apr. 10.3	36.632	177	51.62	6	19.15	50	86.34	31
20.2	36.455	158	51.68	6	18.65	46	86.03	79
30.2	36.297	131	51.62	17	18.19	41	85.24	122
Mai 10.2	36.166	98	51.45	28	17.78	33	84.02	162
20.1	36.068	60	51.17	36	17.45	25	82.40	196
30.1	36.008	20	50.81	42	17.20	15	80.44	223
Juni 9.1	35.988	20	50.39	48	17.05	6	78.21	245
19.1	36.008	62	49.91	51	16.99	5	75.76	258
29.0	36.070	101	49.40	54	17.04	14	73.18	266
Juli 9.0	36.171	139	48.86	56	17.18	24	70.52	268
19.0	36.310	172	48.30	59	17.42	33	67.84	263
29.0	36.482	204	47.71	60	17.75	41	65.21	254
Aug. 7.9	36.686	231	47.11	63	18.16	49	62.67	239
17.9	36.917	257	46.48	66	18.65	56	60.28	220
27.9	37.174	280	45.82	70	19.21	61	58.08	196
Sept. 6.8	37.454	298	45.12	74	19.82	67	56.12	170
16.8	37.752	315	44.38	77	20.49	71	54.42	140
26.8	38.067	329	43.61	80	21.20	74	53.02	107
Okt. 6.8	38.396	338	42.81	81	21.94	75	51.95	70
16.7	38.734	344	42.00	81	22.69	76	51.25	31
26.7	39.078	344	41.19	77	23.45	76	50.94	9
Nov. 5.7	39.422	337	40.42	71	24.21	73	51.03	50
15.7	39.759	322	39.71	61	24.94	69	51.53	92
25.6	40.081	300	39.10	49	25.63	63	52.45	131
Dez. 5.6	40.381	269	38.61	33	26.26	55	53.76	168
15.6	40.650	230	38.28	17	26.81	45	55.44	200
25.5	40.880	182	38.11	0	27.26	35	57.44	224
35.5	41.062		38.11		27.61		59.68	
Mittl. Ort	34.443		50.83		15.37		72.88	
sec δ, tg δ	1.132		+0.531		2.745		+2.557	

Mittlere Zeit Greenw.	285) β Canis minoris AR.		285) β Canis minoris Dekl.		286) ρ Geminorum AR.		286) ρ Geminorum Dekl.	
1917	$7^h 22^m$		+8° 27′		$7^h 23^m$		+31° 56′	
Jan. 0.5	41.469	137	25.24	113	49.393	163	59.40	34
10.5	41.606	86	24.11	97	49.556	105	59.74	50
20.5	41.692	36	23.14	80	49.661	46	60.24	61
30.4	41.728	14	22.34	64	49.707	11	60.85	69
Feb. 9.4	41.714	60	21.70	47	49.696	66	61.54	72
19.4	41.654	99	21.23	33	49.630	113	62.26	69
März 1.4	41.555	131	20.90	19	49.517	150	62.95	62
11.3	41.424	153	20.71	8	49.367	177	63.57	52
21.3	41.271	164	20.63	3	49.190	191	64.09	37
31.3	41.107	166	20.66	11	48.999	194	64.46	22
Apr. 10.3	40.941	158	20.77	18	48.805	185	64.68	6
20.2	40.783	142	20.95	26	48.620	166	64.74	10
30.2	40.641	118	21.21	33	48.454	139	64.64	26
Mai 10.2	40.523	89	21.54	40	48.315	105	64.38	40
20.1	40.434	56	21.94	45	48.210	66	63.98	51
30.1	40.378	20	22.39	51	48.144	25	63.47	60
Juni 9.1	40.358	15	22.90	55	48.119	18	62.87	68
19.1	40.373	51	23.45	59	48.137	60	62.19	73
29.0	40.424	86	24.04	59	48.197	101	61.46	77
Juli 9.0	40.510	119	24.63	58	48.298	139	60.69	80
19.0	40.629	149	25.21	53	48.437	176	59.89	82
29.0	40.778	177	25.74	46	48.613	208	59.07	83
Aug. 7.9	40.955	202	26.20	36	48.821	238	58.24	85
17.9	41.157	226	26.56	21	49.059	265	57.39	85
27.9	41.383	246	26.77	4	49.324	288	56.54	86
Sept. 6.8	41.629	264	26.81	15	49.612	308	55.68	87
16.8	41.893	280	26.66	37	49.920	326	54.81	87
26.8	42.173	293	26.29	59	50.246	341	53.94	86
Okt. 6.8	42.466	302	25.70	80	50.587	351	53.08	84
16.7	42.768	307	24.90	100	50.938	358	52.24	78
26.7	43.075	307	23.90	117	51.296	357	51.46	71
Nov. 5.7	43.382	302	22.73	130	51.653	351	50.75	60
15.7	43.684	289	21.43	139	52.004	337	50.15	47
25.6	43.973	268	20.04	142	52.341	314	49.68	31
Dez. 5.6	44.241	240	18.62	139	52.655	282	49.37	13
15.6	44.481	205	17.23	132	52.937	241	49.24	5
25.5	44.686	162	15.91	122	53.178	192	49.29	24
35.5	44.848		14.69		53.370		49.53	
Mittl. Ort	39.042		26.99		46.519		62.58	
sec δ, tg δ	1.011		+0.149		1.178		+0.624	

Mittlere Zeit Greenw.	287) α Geminorum[1) AR.		287) Dekl.		289) 25 Monocerotis AR.		289) Dekl.		291) α Canis min.[2) AR.		291) Dekl.		292) 24 Lyncis AR.		292) Dekl.	
1917	$7^h\ 29^m$		+32° 4′		$7^h\ 33^m$		−3° 55′		$7^h\ 34^m$		+5° 26′		$7^h\ 35^m$		+58° 54′	
Jan. 0.5	21.152	169	15.44	33	11.420	137	30.53	189	59.805	140	16.87	136	63.887	245	16.00	184
10.5	21.321	111	15.77	48	11.557	87	32.42	173	59.945	92	15.51	121	64.132	154	17.84	200
20.5	21.432	51	16.25	61	11.644	37	34.15	155	60.037	41	14.30	102	64.286	61	19.84	208
30.5	21.483	7	16.86	70	11.681	12	35.70	134	60.078	9	13.28	84	64.347	31	21.92	206
Feb. 9.4	21.476	61	17.56	73	11.669	57	37.04	111	60.069	55	12.44	65	64.316	118	23.98	196
19.4	21.415	109	18.29	71	11.612	97	38.15	88	60.014	95	11.79	47	64.198	196	25.94	176
März 1.4	21.306	147	19.00	64	11.515	129	39.03	64	59.919	127	11.32	31	64.002	259	27.70	149
11.3	21.159	175	19.64	54	11.386	151	39.67	42	59.792	150	11.01	16	63.743	305	29.19	116
21.3	20.984	190	20.18	41	11.235	164	40.09	20	59.642	163	10.85	3	63.438	334	30.35	78
31.3	20.794	195	20.59	25	11.071	168	40.29	0	59.479	166	10.82	9	63.104	345	31.13	36
Apr. 10.3	20.599	187	20.84	9	10.903	161	40.29	20	59.313	159	10.91	19	62.759	338	31.49	5
20.2	20.412	169	20.93	8	10.742	147	40.09	39	59.154	145	11.10	29	62.421	314	31.44	47
30.2	20.243	142	20.85	24	10.595	126	39.70	57	59.009	122	11.39	37	62.107	276	30.97	85
Mai 10.2	20.101	109	20.61	38	10.469	99	39.13	74	58.887	94	11.76	46	61.831	227	30.12	121
20.2	19.992	72	20.23	50	10.370	68	38.39	89	58.793	63	12.22	54	61.604	168	28.91	152
30.1	19.920	30	19.73	61	10.302	36	37.50	102	58.730	29	12.76	61	61.436	104	27.39	178
Juni 9.1	19.890	11	19.12	69	10.266	1	36.48	112	58.701	6	13.37	66	61.332	37	25.61	199
19.1	19.901	54	18.43	75	10.265	34	35.36	120	58.707	41	14.03	69	61.295	33	23.62	214
29.0	19.955	94	17.68	80	10.299	67	34.16	124	58.748	75	14.72	70	61.328	101	21.48	224
Juli 9.0	20.049	133	16.88	83	10.366	100	32.92	124	58.823	108	15.42	69	61.429	167	19.24	229
19.0	20.182	169	16.05	85	10.466	130	31.68	120	58.931	137	16.11	63	61.596	229	16.95	229
29.0	20.351	202	15.20	88	10.596	159	30.48	109	59.068	166	16.74	55	61.825	287	14.66	225
Aug. 7.9	20.553	232	14.32	89	10.755	185	29.39	95	59.234	192	17.29	43	62.112	340	12.41	216
17.9	20.785	259	13.43	90	10.940	209	28.44	75	59.426	215	17.72	28	62.452	389	10.25	205
27.9	21.044	283	12.53	92	11.149	232	27.69	51	59.641	237	18.00	8	62.841	432	8.20	189
Sept. 6.9	21.327	305	11.61	93	11.381	252	27.18	22	59.878	256	18.08	13	63.273	469	6.31	170
16.8	21.632	323	10.68	92	11.633	269	26.96	9	60.134	272	17.95	38	63.742	500	4.61	147
26.8	21.955	339	9.76	92	11.902	283	27.05	42	60.406	287	17.57	62	64.242	526	3.14	123
Okt. 6.8	22.294	350	8.84	90	12.185	294	27.47	76	60.693	297	16.95	86	64.768	545	1.91	95
16.7	22.644	357	7.94	84	12.479	301	28.23	108	60.990	304	16.09	110	65.313	555	0.96	64
26.7	23.001	359	7.10	76	12.780	303	29.31	138	61.294	305	14.99	130	65.868	555	0.32	30
Nov. 5.7	23.360	353	6.34	66	13.083	297	30.69	163	61.599	300	13.69	146	66.423	544	0.02	4
15.7	23.713	339	5.68	52	13.380	286	32.32	183	61.899	289	12.23	157	66.967	521	0.06	41
25.6	24.052	318	5.16	36	13.666	267	34.15	196	62.188	270	10.66	162	67.488	484	0.47	77
Dez. 5.6	24.370	286	4.80	17	13.933	239	36.11	203	62.458	243	9.04	161	67.972	433	1.24	112
15.6	24.656	246	4.63	3	14.172	203	38.14	202	62.701	208	7.43	156	68.405	369	2.36	144
25.6	24.902	197	4.66	21	14.375	162	40.16	196	62.909	166	5.87	145	68.774	292	3.80	171
35.5	25.099		4.87		14.537		42.12		63.075		4.42		69.066		5.51	
Mittl. Ort	18.283		19.05		9.121		29.38		57.423		19.00		59.544		21.35	
sec δ, tg δ	1.180		+0.627		1.002		−0.069		1.005		+0.095		1.936		+1.658	

1) AR. der Mitte; Dekl. des folgenden helleren Sterns.

2) Ort des Hauptsterns; die jährliche Parallaxe (0."33) ist bereits berücksichtigt.

Mittlere Zeit Greenw.	294) κ Geminorum				295) β Geminorum				296) π Geminorum				297) ξ Volantis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	7h 39m		+24° 35′		7h 40m		+28° 13′		7h 42m		+33° 36′		7h 42m		−72° 24′	
Jan. 0.5	29.025	169	49.11	18	17.120	173	35.47	4	12.394	185	68.89	38	54.66	9	20.23	387
10.5	29.194	116	48.93	1	17.293	119	35.51	23	12.579	127	69.27	55	54.75	5	24.10	385
20.5	29.310	61	48.92	15	17.412	62	35.74	37	12.706	67	69.82	69	54.70	19	27.95	372
30.5	29.371	5	49.07	28	17.474	5	36.11	48	12.773	7	70.51	80	54.51	32	31.67	350
Feb. 9.4	29.376	47	49.35	37	17.479	49	36.59	56	12.780	50	71.31	84	54.19	44	35.17	320
19.4	29.329	92	49.72	41	17.430	97	37.15	58	12.730	100	72.15	82	53.75	54	38.37	282
März 1.4	29.237	129	50.13	42	17.333	134	37.73	56	12.630	141	72.97	77	53.21	63	41.19	240
11.4	29.108	157	50.55	40	17.199	163	38.29	50	12.489	171	73.74	66	52.58	69	43.59	192
21.3	28.951	173	50.95	35	17.036	180	38.79	42	12.318	190	74.40	51	51.89	73	45.51	141
31.3	28.778	177	51.30	26	16.856	185	39.21	30	12.128	196	74.91	35	51.16	75	46.92	89
Apr. 10.3	28.601	173	51.56	18	16.671	180	39.51	16	11.932	191	75.26	16	50.41	75	47.81	36
20.2	28.428	157	51.74	9	16.491	165	39.67	4	11.741	176	75.42	2	49.66	73	48.17	18
30.2	28.271	134	51.83	1	16.326	141	39.71	9	11.565	151	75.40	20	48.93	70	47.99	70
Mai 10.2	28.137	105	51.82	10	16.185	111	39.62	20	11.414	119	75.20	37	48.23	64	47.29	120
20.2	28.032	71	51.72	17	16.074	76	39.42	32	11.295	84	74.83	52	47.59	57	46.09	168
30.1	27.961	34	51.55	24	15.998	38	39.10	40	11.211	43	74.31	64	47.02	49	44.41	210
Juni 9.1	27.927	4	51.31	29	15.960	1	38.70	47	11.168	1	73.67	75	46.53	39	42.31	246
19.1	27.931	43	51.02	34	15.961	41	38.23	54	11.167	40	72.92	83	46.14	29	39.85	277
29.1	27.974	80	50.68	37	16.002	80	37.69	59	11.207	81	72.09	91	45.85	18	37.08	299
Juli 9.0	28.054	115	50.31	42	16.082	116	37.10	64	11.288	120	71.18	95	45.67	6	34.09	313
19.0	28.169	148	49.89	46	16.198	151	36.46	67	11.408	157	70.23	99	45.61	6	30.96	317
29.0	28.317	180	49.43	51	16.349	183	35.79	72	11.565	192	69.24	102	45.67	19	27.79	310
Aug. 7.9	28.497	208	48.92	56	16.532	212	35.07	75	11.757	223	68.22	105	45.86	30	24.69	293
17.9	28.705	234	48.36	62	16.744	240	34.32	80	11.980	251	67.17	106	46.16	41	21.76	266
27.9	28.939	258	47.74	69	16.984	264	33.52	85	12.231	278	66.11	107	46.57	52	19.10	229
Sept. 6.9	29.197	279	47.05	77	17.248	285	32.67	89	12.509	301	65.04	108	47.09	60	16.81	182
16.8	29.476	298	46.28	84	17.533	305	31.78	93	12.810	321	63.96	108	47.69	68	14.99	128
26.8	29.774	314	45.44	90	17.838	322	30.85	96	13.131	339	62.88	106	48.37	73	13.71	67
Okt. 6.8	30.088	326	44.54	96	18.160	335	29.89	98	13.470	354	61.82	101	49.10	77	13.04	1
16.8	30.414	335	43.58	99	18.495	343	28.91	97	13.824	363	60.81	95	49.87	77	13.03	65
26.7	30.749	339	42.59	99	18.838	347	27.94	94	14.187	366	59.86	86	50.64	76	13.68	131
Nov. 5.7	31.088	335	41.60	95	19.185	344	27.00	86	14.553	363	59.00	73	51.40	71	14.99	194
15.7	31.423	324	40.65	88	19.529	333	26.14	76	14.916	352	58.27	57	52.11	64	16.93	251
25.6	31.747	306	39.77	78	19.862	314	25.38	61	15.268	332	57.70	39	52.75	56	19.44	299
Dez. 5.6	32.053	277	38.99	63	20.176	284	24.77	45	15.600	301	57.31	18	53.31	44	22.43	338
15.6	32.330	241	38.36	47	20.460	247	24.32	27	15.901	262	57.13	3	53.75	32	25.81	366
25.6	32.571	197	37.89	29	20.707	202	24.05	7	16.163	214	57.16	25	54.07	18	29.47	382
35.5	32.768		37.60		20.909		23.98		16.377		57.41		54.25		33.29	
Mittl. Ort	26.358		52.96		14.371		39.65		9.502		73.60		50.83		24.94	
sec δ, tg δ	1.100		+0.458		1.135		+0.537		1.201		+0.665		3.309		−3.154	

Mittlere Zeit Greenw.	300) Gr. 1374				303) χ Argus				305) χ Geminorum				306) ζ Argus			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	7h 50m		+74° 8′		7h 54m		−52° 45′		7h 58m		+28° 1′		8h 0m		−39° 45′	
Jan. 0.5	24.60	43	22.42	246	42.665	133	29.14	379	28.119	193	35.39	4	42.236	146	64.88	350
10.5	25.03	26	24.88	263	42.798	59	32.93	374	28.312	139	35.35	16	42.382	86	68.38	345
20.5	25.29	9	27.51	272	42.857	16	36.67	361	28.451	82	35.51	33	42.468	24	71.83	330
30.5	25.38	8	30.23	269	42.841	88	40.28	338	28.533	25	35.84	47	42.492	35	75.13	306
Feb. 9.4	25.30	23	32.92	254	42.753	154	43.66	308	28.558	30	36.31	58	42.457	91	78.19	277
19.4	25.07	38	35.46	229	42.599	212	46.74	270	28.528	79	36.89	62	42.366	140	80.96	242
März 1.4	24.69	51	37.75	195	42.387	260	49.44	228	28.449	120	37.51	63	42.226	180	83.38	202
11.4	24.18	60	39.70	152	42.127	296	51.72	182	28.329	151	38.14	58	42.046	211	85.40	159
21.3	23.58	66	41.22	104	41.831	321	53.54	133	28.178	171	38.72	51	41.835	232	86.99	115
31.3	22.92	69	42.26	52	41.510	332	54.87	82	28.007	180	39.23	40	41.603	241	88.14	69
Apr. 10.3	22.23	70	42.78	0	41.178	332	55.69	31	27.827	178	39.63	27	41.362	241	88.83	23
20.3	21.53	67	42.78	53	40.846	321	56.00	20	27.649	166	39.90	14	41.121	233	89.06	23
30.2	20.86	61	42.25	103	40.525	301	55.80	69	27.483	146	40.04	1	40.888	215	88.83	67
Mai 10.2	20.25	52	41.22	149	40.224	272	55.11	117	27.337	119	40.05	12	40.673	190	88.16	109
20.2	19.73	43	39.73	190	39.952	235	53.94	162	27.218	86	39.93	25	40.483	160	87.07	148
30.1	19.30	32	37.83	225	39.717	192	52.32	202	27.132	51	39.68	35	40.323	125	85.59	184
Juni 9.1	18.98	20	35.58	253	39.525	144	50.30	236	27.081	14	39.33	45	40.198	88	83.75	214
19.1	18.78	7	33.05	274	39.381	93	47.94	264	27.067	24	38.88	52	40.110	48	81.61	239
29.1	18.71	6	30.31	288	39.288	39	45.30	285	27.091	61	38.36	60	40.062	6	79.22	256
Juli 9.0	18.77	19	27.43	296	39.249	17	42.45	298	27.152	98	37.76	66	40.056	37	76.66	267
19.0	18.96	31	24.47	297	39.266	72	39.47	300	27.250	132	37.10	72	40.093	79	73.99	268
29.0	19.27	43	21.50	292	39.338	129	36.47	293	27.382	165	36.38	78	40.172	120	71.31	261
Aug. 8.0	19.70	54	18.58	280	39.467	183	33.54	277	27.547	195	35.60	84	40.292	161	68.70	244
17.9	20.24	64	15.78	264	39.650	235	30.77	250	27.742	223	34.76	90	40.453	201	66.26	219
27.9	20.88	73	13.14	242	39.885	283	28.27	213	27.965	249	33.86	95	40.654	237	64.07	185
Sept. 6.9	21.61	81	10.72	215	40.168	327	26.14	168	28.214	274	32.91	102	40.891	270	62.22	142
16.8	22.42	87	8.57	185	40.495	366	24.46	115	28.488	295	31.89	107	41.161	301	60.80	92
26.8	23.29	93	6.72	150	40.861	396	23.31	56	28.783	314	30.82	110	41.462	325	59.88	38
Okt. 6.8	24.22	97	5.22	111	41.257	417	22.75	8	29.097	331	29.72	113	41.787	344	59.50	21
16.8	25.19	99	4.11	69	41.674	428	22.83	72	29.428	343	28.59	113	42.131	356	59.71	80
26.7	26.18	99	3.42	24	42.102	428	23.55	136	29.771	349	27.46	109	42.487	360	60.51	139
Nov. 5.7	27.17	97	3.18	22	42.530	415	24.91	196	30.120	350	26.37	102	42.847	354	61.90	194
15.7	28.14	93	3.40	70	42.945	391	26.87	251	30.470	342	25.35	91	43.201	339	63.84	242
25.7	29.07	86	4.10	115	43.336	353	29.38	297	30.812	325	24.44	76	43.540	312	66.26	284
Dez. 5.6	29.93	77	5.25	158	43.689	303	32.35	334	31.137	299	23.68	58	43.852	277	69.10	315
15.6	30.70	65	6.83	198	43.992	245	35.69	360	31.436	265	23.10	38	44.129	232	72.25	337
25.6	31.35	51	8.81	230	44.237	177	39.29	374	31.701	220	22.72	18	44.361	179	75.62	348
35.5	31.86		11.11		44.414		43.03		31.921		22.54		44.540		79.10	
Mittl. Ort	17.20		29.59		40.155		32.95		25.414		40.84		39.965		67.52	
sec δ, tg δ	3.660		+3.520		1.652		−1.315		1.133		+0.532		1.301		−0.832	

Mittlere Zeit Greenw.	307) 27 Lyncis				308) ι Navis				309) γ Argus				310) Br. 1147			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	8h 2m		+51° 44′		8h 4m		−24° 3′		8h 6m		−47° 5′		8h 9m		+76° 0′	
Jan. 0.6	16.919	255	41.85	134	2.716	154	50.98	295	60.797	154	25.77	368	17.04	53	34.62	241
10.5	17.174	180	43.19	155	2.870	104	53.93	286	60.951	87	29.45	366	17.57	36	37.03	265
20.5	17.354	102	44.74	171	2.974	50	56.79	269	61.038	19	33.11	353	17.93	17	39.68	277
30.5	17.456	22	46.45	178	3.024	3	59.48	246	61.057	47	36.64	332	18.10	3	42.45	278
Feb. 9.5	17.478	54	48.23	177	3.021	53	61.94	218	61.010	108	39.96	304	18.07	21	45.23	269
19.4	17.424	123	50.00	168	2.968	96	64.12	187	60.902	163	43.00	268	17.86	38	47.92	247
März 1.4	17.301	182	51.68	150	2.872	133	65.99	153	60.739	208	45.68	227	17.48	53	50.39	215
11.4	17.119	227	53.18	127	2.739	161	67.52	117	60.531	243	47.95	184	16.95	64	52.54	175
21.3	16.892	257	54.45	97	2.578	179	68.69	81	60.288	267	49.79	137	16.31	73	54.29	128
31.3	16.635	274	55.42	63	2.399	187	69.50	44	60.021	280	51.16	89	15.58	78	55.57	77
Apr. 10.3	16.361	274	56.05	28	2.212	187	69.94	7	59.741	282	52.05	39	14.80	80	56.34	22
20.3	16.087	260	56.33	8	2.025	178	70.01	29	59.459	274	52.44	10	14.00	77	56.56	31
30.2	15.827	234	56.25	44	1.847	162	69.72	62	59.185	257	52.34	57	13.23	72	56.25	84
Mai 10.2	15.593	198	55.81	78	1.685	140	69.10	95	58.928	233	51.77	103	12.51	65	55.41	133
20.2	15.395	155	55.03	107	1.545	113	68.15	125	58.695	201	50.74	147	11.86	55	54.08	177
30.2	15.240	106	53.96	134	1.432	82	66.90	152	58.494	164	49.27	186	11.31	43	52.31	216
Juni 9.1	15.134	52	52.62	157	1.350	50	65.38	175	58.330	124	47.41	219	10.88	30	50.15	249
19.1	15.082	2	51.05	174	1.300	15	63.63	193	58.206	79	45.22	248	10.58	16	47.66	274
29.1	15.084	56	49.31	189	1.285	19	61.70	204	58.127	33	42.74	269	10.42	2	44.92	292
Juli 9.0	15.140	110	47.42	199	1.304	54	59.66	211	58.094	14	40.05	282	10.40	12	42.00	305
19.0	15.250	162	45.43	204	1.358	88	57.55	211	58.108	63	37.23	286	10.52	26	38.95	309
29.0	15.412	209	43.39	207	1.446	121	55.44	202	58.171	112	34.37	281	10.78	40	35.86	308
Aug. 8.0	15.621	255	41.32	205	1.567	154	53.42	186	58.283	159	31.56	266	11.18	53	32.78	299
17.9	15.876	297	39.27	200	1.721	184	51.56	163	58.442	206	28.90	242	11.71	65	29.79	286
27.9	16.173	336	37.27	193	1.905	214	49.93	132	58.648	249	26.48	208	12.36	75	26.93	267
Sept. 6.9	16.509	371	35.34	182	2.119	241	48.61	96	58.897	289	24.40	164	13.11	85	24.26	242
16.9	16.880	402	33.52	167	2.360	265	47.65	52	59.186	324	22.76	114	13.96	94	21.84	212
26.8	17.282	430	31.85	151	2.625	286	47.13	5	59.510	354	21.62	58	14.90	100	19.72	178
Okt. 6.8	17.712	451	30.34	130	2.911	304	47.08	44	59.864	377	21.04	4	15.90	106	17.94	139
16.8	18.163	467	29.04	106	3.215	315	47.52	93	60.241	391	21.08	66	16.96	110	16.55	97
26.7	18.630	475	27.98	79	3.530	321	48.45	142	60.632	395	21.74	128	18.06	110	15.58	51
Nov. 5.7	19.105	474	27.19	49	3.851	320	49.87	186	61.027	389	23.02	187	19.16	110	15.07	3
15.7	19.579	462	26.70	16	4.171	309	51.73	225	61.416	370	24.89	241	20.26	106	15.04	47
25.7	20.041	438	26.54	18	4.480	290	53.98	256	61.786	341	27.30	286	21.32	100	15.51	96
Dez. 5.6	20.479	402	26.72	53	4.770	262	56.54	278	62.127	301	30.16	323	22.32	90	16.47	143
15.6	20.881	353	27.25	87	5.032	227	59.32	292	62.428	250	33.39	348	23.22	77	17.90	186
25.6	21.234	292	28.12	117	5.259	182	62.24	296	62.678	191	36.87	364	23.99	63	19.76	223
35.6	21.526		29.29		5.441		65.20		62.869		40.51		24.62		21.99	
Mittl. Ort	13.266		49.53		0.532		51.74		58.445		29.40		8.97		43.90	
sec δ, tg δ	1.615		+1.268		1.095		−0.447		1.469		−1.076		4.137		+4.014	

Mittlere Zeit Greenw.	311) 20 Navis AR.		311) 20 Navis Dekl.		312) β Cancri AR.		312) β Cancri Dekl.	
1917	$8^h\ 9^m$		−15° 32′		$8^h\ 12^m$		+9° 26′	
Jan. 0.6	33.268	165	15.27	258	3.285	184	27.76	123
10.5	33.433	115	17.85	247	3.469	136	26.53	105
20.5	33.548	64	20.32	229	3.605	84	25.48	86
30.5	33.612	13	22.61	207	3.689	33	24.62	66
Feb. 9.5	33.625	35	24.68	181	3.722	16	23.96	46
19.4	33.590	79	26.49	153	3.706	61	23.50	30
März 1.4	33.511	115	28.02	122	3.645	99	23.20	14
11.4	33.396	142	29.24	92	3.546	127	23.06	2
21.3	33.254	161	30.16	61	3.419	147	23.04	9
31.3	33.093	169	30.77	31	3.272	156	23.13	18
Apr. 10.3	32.924	170	31.08	1	3.116	156	23.31	24
20.3	32.754	162	31.09	28	2.960	148	23.55	29
30.2	32.592	146	30.81	56	2.812	131	23.84	33
Mai 10.2	32.446	125	30.25	81	2.681	110	24.17	38
20.2	32.321	100	29.44	105	2.571	84	24.55	40
30.2	32.221	71	28.39	127	2.487	54	24.95	42
Juni 9.1	32.150	39	27.12	145	2.433	22	25.37	44
19.1	32.111	8	25.67	158	2.411	10	25.81	45
29.1	32.103	25	24.09	168	2.421	42	26.26	43
Juli 9.0	32.128	57	22.41	172	2.463	73	26.69	39
19.0	32.185	89	20.69	170	2.536	103	27.08	34
29.0	32.274	120	18.99	161	2.639	132	27.42	25
Aug. 8.0	32.394	150	17.38	147	2.771	160	27.67	15
17.9	32.544	178	15.91	127	2.931	187	27.82	0
27.9	32.722	205	14.64	99	3.118	211	27.82	17
Sept. 6.9	32.927	231	13.65	65	3.329	234	27.65	35
16.9	33.158	255	13.00	27	3.563	257	27.30	57
26.8	33.413	275	12.73	14	3.820	276	26.73	78
Okt. 6.8	33.688	292	12.87	57	4.096	293	25.95	98
16.8	33.980	305	13.44	99	4.389	307	24.97	119
26.7	34.285	312	14.43	141	4.696	316	23.78	135
Nov. 5.7	34.597	313	15.84	178	5.012	317	22.43	147
15.7	34.910	305	17.62	210	5.329	313	20.96	155
25.7	35.215	289	19.72	234	5.642	299	19.41	157
Dez. 5.6	35.504	264	22.06	252	5.941	278	17.84	154
15.6	35.768	231	24.58	260	6.219	247	16.30	146
25.6	35.999	190	27.18	261	6.466	208	14.84	132
35.6	36.189		29.79		6.674		13.52	
Mittl. Ort	31.091		14.85		0.935		31.79	
sec δ, tg δ	1.038		−0.278		1.014		+0.166	

Mittlere Zeit Greenw.	314) 31 Lyncis AR.		314) 31 Lyncis Dekl.		315) ε Argus AR.		315) ε Argus Dekl.	
1917	$8^h\ 17^m$		+43° 26′		$8^h\ 20^m$		−59° 14′	
Jan. 0.6	12.689	246	70.81	79	51.374	184	25.70	385
10.5	12.935	183	71.60	103	51.558	99	29.55	388
20.5	13.118	115	72.63	122	51.657	12	33.43	382
30.5	13.233	46	73.85	135	51.669	73	37.25	365
Feb. 9.5	13.279	20	75.20	142	51.596	152	40.90	339
19.4	13.259	82	76.62	140	51.444	223	44.29	307
März 1.4	13.177	135	78.02	132	51.221	282	47.36	268
11.4	13.042	176	79.34	116	50.939	330	50.04	225
21.3	12.866	205	80.50	95	50.609	365	52.29	177
31.3	12.661	221	81.45	71	50.244	386	54.06	127
Apr. 10.3	12.440	224	82.16	43	49.858	395	55.33	75
20.3	12.216	215	82.59	14	49.463	392	56.08	22
30.2	12.001	196	82.73	15	49.071	377	56.30	30
Mai 10.2	11.805	168	82.58	42	48.694	351	56.00	81
20.2	11.637	133	82.16	69	48.343	317	55.19	129
30.2	11.504	93	81.47	93	48.026	274	53.90	174
Juni 9.1	11.411	49	80.54	113	47.752	225	52.16	214
19.1	11.362	5	79.41	131	47.527	170	50.02	248
29.1	11.357	39	78.10	145	47.357	110	47.54	275
Juli 9.0	11.396	84	76.65	156	47.247	46	44.79	294
19.0	11.480	127	75.09	165	47.201	19	41.85	304
29.0	11.607	167	73.44	171	47.220	87	38.81	303
Aug. 8.0	11.774	205	71.73	175	47.307	155	35.78	293
17.9	11.979	242	69.98	175	47.462	220	32.85	273
27.9	12.221	276	68.23	175	47.682	283	30.12	242
Sept. 6.9	12.497	308	66.48	171	47.965	343	27.70	200
16.9	12.805	336	64.77	164	48.308	394	25.70	150
26.8	13.141	363	63.13	156	48.702	437	24.20	94
Okt. 6.8	13.504	385	61.57	144	49.139	471	23.26	31
16.8	13.889	402	60.13	128	49.610	493	22.95	34
26.7	14.291	413	58.85	109	50.103	499	23.29	100
Nov. 5.7	14.704	417	57.76	86	50.602	492	24.29	164
15.7	15.121	410	56.90	60	51.094	468	25.93	224
25.7	15.531	394	56.30	31	51.562	429	28.17	276
Dez. 5.6	15.925	367	55.99	0	51.991	376	30.93	320
15.6	16.292	327	55.99	31	52.367	311	34.13	353
25.6	16.619	277	56.30	61	52.678	234	37.66	375
35.6	16.896		56.91		52.912		41.41	
Mittl. Ort	9.541		79.22		48.749		31.11	
sec δ, tg δ	1.378		+0.948		1.955		−1.680	

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	316) Br. 1197				318) ϑ Chamael.				317) o Ursae majoris				320) Gr. 1450			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$8^h\ 21^m$		$-3°\ 38'$		$8^h\ 23^m$		$-77°\ 12'$		$8^h\ 23^m$		$+60°\ 59'$		$8^h\ 27^m$		$+38°\ 17'$	
1917	s		″		s		″		s		″		s		″	
Jan. 0.6	33.052	182	7.99	200	13.56	27	54.73	380	27.20	34	38.38	167	34.441	243	58.49	42
10.5	33.234	135	9.99	185	13.83	8	58.53	390	27.54	24	40.05	195	34.684	186	58.91	69
20.5	33.369	86	11.84	167	13.91	11	62.43	388	27.78	15	42.00	213	34.870	122	59.60	90
30.5	33.455	34	13.51	146	13.80	30	66.31	376	27.93	5	44.13	223	34.992	58	60.50	106
Feb. 9.5	33.489	14	14.97	122	13.50	46	70.07	355	27.98	4	46.36	223	35.050	4	61.56	116
19.4	33.475	57	16.19	98	13.04	61	73.62	327	27.94	14	48.59	213	35.046	62	62.72	120
März 1.4	33.418	95	17.17	75	12.43	74	76.89	292	27.80	21	50.72	193	34.984	113	63.92	117
11.4	33.323	124	17.92	52	11.69	84	79.81	250	27.59	28	52.65	165	34.871	152	65.09	107
21.4	33.199	143	18.44	30	10.85	93	82.31	204	27.31	33	54.30	131	34.719	180	66.16	91
31.3	33.056	154	18.74	10	9.92	98	84.35	156	26.98	35	55.61	91	34.539	198	67.07	73
Apr. 10.3	32.902	156	18.84	10	8.94	101	85.91	104	26.63	37	56.52	48	34.341	202	67.80	51
20.3	32.746	149	18.74	28	7.93	102	86.95	50	26.26	35	57.00	4	34.139	195	68.31	26
30.2	32.597	136	18.46	45	6.91	99	87.45	3	25.91	33	57.04	39	33.944	180	68.57	1
Mai 10.2	32.461	116	18.01	60	5.92	95	87.42	56	25.58	30	56.65	82	33.764	155	68.58	22
20.2	32.345	91	17.41	74	4.97	88	86.86	107	25.28	24	55.83	120	33.609	125	68.36	46
30.2	32.254	65	16.67	86	4.09	80	85.79	156	25.04	19	54.63	155	33.484	89	67.90	67
Juni 9.1	32.189	35	15.81	97	3.29	69	84.23	198	24.85	13	53.08	185	33.395	51	67.23	86
19.1	32.154	5	14.84	105	2.60	56	82.25	237	24.72	6	51.23	210	33.344	11	66.37	102
29.1	32.149	26	13.79	109	2.04	42	79.88	269	24.66	1	49.13	230	33.333	29	65.35	117
Juli 9.1	32.175	56	12.70	109	1.62	27	77.19	292	24.67	8	46.83	245	33.362	69	64.18	129
19.0	32.231	86	11.61	105	1.35	12	74.27	306	24.75	14	44.38	254	33.431	108	62.89	139
29.0	32.317	114	10.56	97	1.23	6	71.21	311	24.89	20	41.84	258	33.539	145	61.50	147
Aug. 8.0	32.431	143	9.59	85	1.29	22	68.10	305	25.09	27	39.26	258	33.684	181	60.03	153
17.9	32.574	170	8.74	67	1.51	39	65.05	289	25.36	33	36.68	253	33.865	214	58.50	158
27.9	32.744	197	8.07	44	1.90	55	62.16	261	25.69	38	34.15	243	34.079	246	56.92	160
Sept. 6.9	32.941	221	7.63	18	2.45	70	59.55	223	26.07	43	31.72	229	34.325	277	55.32	161
16.9	33.162	244	7.45	12	3.15	81	57.32	176	26.50	47	29.43	211	34.602	306	53.71	160
26.8	33.406	266	7.57	45	3.96	92	55.56	122	26.97	51	27.32	188	34.908	331	52.11	157
Okt. 6.8	33.672	284	8.02	77	4.88	100	54.34	60	27.48	55	25.44	161	35.239	354	50.54	150
16.8	33.956	299	8.79	110	5.88	103	53.74	6	28.03	57	23.83	130	35.593	372	49.04	139
26.8	34.255	309	9.89	140	6.91	105	53.80	72	28.60	58	22.53	95	35.965	386	47.65	126
Nov. 5.7	34.564	311	11.29	166	7.96	101	54.52	138	29.18	59	21.58	56	36.351	391	46.39	108
15.7	34.875	308	12.95	187	8.97	94	55.90	199	29.77	58	21.02	16	36.742	388	45.31	86
25.7	35.183	296	14.82	202	9.91	85	57.89	255	30.35	55	20.86	27	37.130	375	44.45	61
Dez. 5.6	35.479	274	16.84	210	10.76	71	60.44	303	30.90	51	21.13	70	37.505	351	43.84	33
15.6	35.753	244	18.94	212	11.47	56	63.47	341	31.41	45	21.83	110	37.856	316	43.51	4
25.6	35.997	206	21.06	206	12.03	38	66.88	368	31.86	39	22.93	147	38.172	272	43.47	25
35.6	36.203		23.12		12.41		70.56		32.25		24.40		38.444		43.72	
Mittl. Ort	30.847		5.57		9.08		61.69		22.84		48.68		31.532		67.22	
sec δ, tg δ	1.002		−0.064		4.520		−4.408		2.062		+1.804		1.274		+0.788	

Mittlere Zeit Greenw.	321) η Cancri AR.		321) η Cancri Dekl.		326) δ Cancri AR.		326) δ Cancri Dekl.		327) α Pyxidis AR.		327) α Pyxidis Dekl.		328) ι Cancri AR.		328) ι Cancri Dekl.	
1917	$8^h\,27^m$		+20° 43′		$8^h\,39^m$		+18° 27′		$8^h\,40^m$		−32° 53′		$8^h\,41^m$		+29° 3′	
Jan. 0.6	57.177	212	19.80	62	60.643	220	29.71	81	17.495	194	9.30	330	43.295	237	43.06	19
10.6	57.389	162	19.18	40	60.863	171	28.90	59	17.689	141	12.60	327	43.532	186	42.87	7
20.5	57.551	108	18.78	18	61.034	119	28.31	36	17.830	84	15.87	317	43.718	130	42.94	30
30.5	57.659	53	18.60	1	61.153	65	27.95	15	17.914	27	19.04	298	43.848	72	43.24	51
Feb. 9.5	57.712	1	18.61	18	61.218	12	27.80	3	17.941	27	22.02	274	43.920	14	43.75	66
19.4	57.713	48	18.79	31	61.230	36	27.83	19	17.914	77	24.76	243	43.934	39	44.41	77
März 1.4	57.665	90	19.10	39	61.194	79	28.02	30	17.837	119	27.19	209	43.895	85	45.18	82
11.4	57.575	123	19.49	44	61.115	113	28.32	38	17.718	153	29.28	172	43.810	123	46.00	81
21.4	57.452	146	19.93	45	61.002	137	28.70	42	17.565	178	31.00	132	43.687	150	46.81	76
31.3	57.306	160	20.38	43	60.865	152	29.12	42	17.387	194	32.32	92	43.537	167	47.57	66
Apr. 10.3	57.146	162	20.81	38	60.713	157	29.54	40	17.193	200	33.24	50	43.370	173	48.23	54
20.3	56.984	157	21.19	32	60.556	153	29.94	36	16.993	198	33.74	9	43.197	169	48.77	39
30.3	56.827	142	21.51	25	60.403	141	30.30	30	16.795	188	33.83	31	43.028	158	49.16	23
Mai 10.2	56.685	121	21.76	17	60.262	123	30.60	25	16.607	172	33.52	70	42.870	138	49.39	6
20.2	56.564	96	21.93	9	60.139	99	30.85	18	16.435	149	32.82	108	42.732	112	49.45	9
30.2	56.468	66	22.02	1	60.040	72	31.03	11	16.286	124	31.74	141	42.620	83	49.36	26
Juni 9.1	56.402	35	22.03	6	59.968	43	31.14	5	16.162	94	30.33	171	42.537	51	49.10	40
19.1	56.367	2	21.97	13	59.925	12	31.19	3	16.068	63	28.62	197	42.486	17	48.70	53
29.1	56.365	31	21.84	21	59.913	20	31.16	9	16.005	28	26.65	216	42.469	17	48.17	66
Juli 9.1	56.396	64	21.63	28	59.933	51	31.07	17	15.977	8	24.49	229	42.486	52	47.51	77
19.0	56.460	95	21.35	37	59.984	82	30.90	26	15.985	43	22.20	235	42.538	86	46.74	88
29.0	56.555	126	20.98	45	60.066	111	30.64	36	16.028	80	19.85	233	42.624	118	45.86	98
Aug. 8.0	56.681	155	20.53	55	60.177	141	30.28	46	16.108	117	17.52	222	42.742	150	44.88	108
18.0	56.836	183	19.98	66	60.318	169	29.82	59	16.225	153	15.30	203	42.892	181	43.80	117
27.9	57.019	210	19.32	78	60.487	197	29.23	72	16.378	189	13.27	175	43.073	210	42.63	125
Sept. 6.9	57.229	236	18.54	90	60.684	223	28.51	86	16.567	224	11.52	139	43.283	239	41.38	133
16.9	57.465	261	17.64	102	60.907	248	27.65	101	16.791	256	10.13	97	43.522	266	40.05	140
26.8	57.726	283	16.62	114	61.155	272	26.64	114	17.047	286	9.16	48	43.788	292	38.65	146
Okt. 6.8	58.009	303	15.48	125	61.427	295	25.50	128	17.333	311	8.68	5	44.080	316	37.19	149
16.8	58.312	320	14.23	133	61.722	312	24.22	139	17.644	330	8.73	59	44.396	335	35.70	148
26.8	58.632	331	12.90	137	62.034	326	22.83	146	17.974	343	9.32	114	44.731	349	34.22	144
Nov. 5.7	58.963	337	11.53	138	62.360	334	21.37	149	18.317	347	10.46	166	45.080	358	32.78	136
15.7	59.300	335	10.15	134	62.694	333	19.88	147	18.664	342	12.12	214	45.438	358	31.42	124
25.7	59.635	324	8.81	125	63.027	325	18.41	141	19.006	327	14.26	255	45.796	350	30.18	106
Dez. 5.7	59.959	304	7.56	112	63.352	307	17.00	129	19.333	302	16.81	288	46.146	330	29.12	85
15.6	60.263	274	6.44	95	63.659	280	15.71	113	19.635	267	19.69	311	46.476	301	28.27	61
25.6	60.537	235	5.49	75	63.939	242	14.58	94	19.902	222	22.80	324	46.777	263	27.66	35
35.6	60.772		4.74		64.181		13.64		20.124		26.04		47.040		27.31	
Mittl. Ort	54.706		26.25		58.249		36.48		15.386		11.65		40.702		51.61	
sec δ, tg δ	1.069		+0.378		1.054		+0.334		1.191		−0.647		1.144		+0.556	

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Mittlere Zeit Greenw.	330) δ Argus				334) ζ Hydrae				336) c Carinae				335) ι Ursae majoris			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	8h 42m		−54° 24′		8h 51m		+6° 15′		8h 53m		−60° 19′		8h 53m		+48° 21′	
Jan. 0.6	27.092 s	216	9.12″	376	2.671 s	216	38.66″	154	12.58 s	25	30.49″	377	35.154 s	305	54.12″	81
10.6	27.308	142	12.88	383	2.887	171	37.12	136	12.83	17	34.26	389	35.459	241	54.93	114
20.5	27.450	65	16.71	380	3.058	121	35.76	114	13.00	8	38.15	390	35.700	169	56.07	140
30.5	27.515	12	20.51	366	3.179	69	34.62	93	13.08	1	42.05	381	35.869	95	57.47	159
Feb. 9.5	27.503	84	24.17	344	3.248	20	33.69	70	13.07	9	45.86	361	35.964	22	59.06	172
19.5	27.419	149	27.61	315	3.268	27	32.99	49	12.98	17	49.47	335	35.986	48	60.78	175
März 1.4	27.270	207	30.76	279	3.241	68	32.50	30	12.81	24	52.82	301	35.938	111	62.53	169
11.4	27.063	253	33.55	238	3.173	100	32.20	13	12.57	29	55.83	262	35.827	163	64.22	156
21.4	26.810	289	35.93	193	3.073	125	32.07	2	12.28	34	58.45	217	35.664	202	65.78	135
31.3	26.521	312	37.86	145	2.948	141	32.09	13	11.94	37	60.62	170	35.462	229	67.13	109
Apr. 10.3	26.209	323	39.31	95	2.807	146	32.22	24	11.57	38	62.32	120	35.233	242	68.22	79
20.3	25.886	326	40.26	44	2.661	144	32.46	32	11.19	39	63.52	67	34.991	242	69.01	45
30.3	25.560	317	40.70	7	2.517	135	32.78	39	10.80	39	64.19	16	34.749	231	69.46	11
Mai 10.2	25.243	298	40.63	57	2.382	120	33.17	45	10.41	37	64.35	37	34.518	209	69.57	23
20.2	24.945	273	40.06	105	2.262	99	33.62	48	10.04	34	63.98	88	34.309	180	69.34	57
30.2	24.672	239	39.01	150	2.163	75	34.10	52	9.70	31	63.10	135	34.129	144	68.77	88
Juni 9.2	24.433	201	37.51	191	2.088	49	34.62	55	9.39	27	61.75	179	33.985	103	67.89	116
19.1	24.232	156	35.60	226	2.039	21	35.17	54	9.12	22	59.96	219	33.882	59	66.73	142
29.1	24.076	107	33.34	255	2.018	7	35.71	53	8.90	16	57.77	251	33.823	15	65.31	163
Juli 9.1	23.969	54	30.79	277	2.025	36	36.24	50	8.74	11	55.26	276	33.808	32	63.68	182
19.0	23.915	0	28.02	290	2.061	65	36.74	44	8.63	4	52.50	294	33.840	77	61.86	196
29.0	23.915	58	25.12	293	2.126	93	37.18	35	8.59	3	49.56	300	33.917	121	59.90	208
Aug. 8.0	23.973	116	22.19	287	2.219	121	37.53	22	8.62	10	46.56	298	34.038	165	57.82	216
18.0	24.089	173	19.32	270	2.340	148	37.75	8	8.72	17	43.58	285	34.203	207	55.66	220
27.9	24.262	231	16.62	242	2.488	176	37.83	11	8.89	24	40.73	260	34.410	248	53.46	221
Sept. 6.9	24.493	284	14.20	206	2.664	202	37.72	32	9.13	31	38.13	226	34.658	287	51.25	219
16.9	24.777	334	12.14	159	2.866	228	37.40	55	9.44	37	35.87	181	34.945	323	49.06	213
26.9	25.111	378	10.55	105	3.094	254	36.85	79	9.81	42	34.06	129	35.268	358	46.93	203
Okt. 6.8	25.489	413	9.50	46	3.348	276	36.06	104	10.23	46	32.77	70	35.626	390	44.90	190
16.8	25.902	439	9.04	18	3.624	296	35.02	126	10.69	50	32.07	6	36.016	415	43.00	171
26.8	26.341	453	9.22	82	3.920	310	33.76	147	11.19	52	32.01	60	36.431	436	41.29	148
Nov. 5.7	26.794	455	10.04	146	4.230	319	32.29	163	11.71	52	32.61	125	36.867	448	39.81	120
15.7	27.249	441	11.50	206	4.549	321	30.66	175	12.23	51	33.86	188	37.315	449	38.61	88
25.7	27.690	416	13.56	259	4.870	314	28.91	181	12.74	48	35.74	245	37.764	440	37.73	54
Dez. 5.7	28.106	375	16.15	305	5.184	297	27.10	180	13.22	43	38.19	294	38.204	418	37.19	16
15.6	28.481	321	19.20	340	5.481	272	25.30	175	13.65	37	41.13	334	38.622	383	37.03	22
25.6	28.802	259	22.60	365	5.753	238	23.55	162	14.02	30	44.47	364	39.005	335	37.25	60
35.6	29.061		26.25		5.991		21.93		14.32		48.11		39.340		37.85	
Mittl. Ort	24.715		14.73		0.471		43.75		10.07		37.20		31.950		66.14	
sec δ, tg δ	1.718		−1.397		1.006		+0.110		2.020		−1.755		1.505		+1.125	

Mittlere Zeit Greenw.	337) α Cancri				339) 10 Ursae majoris				341) κ Ursae majoris				343) α Volantis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	8h 53m		+12° 10′		8h 55m		+42° 6′		8h 57m		+47° 28′		9h 1m		−66° 3′	
Jan. 0.6	59.250	224	40.76	122	18.425	283	32.47	46	61.111	306	55.96	74	11.12	29	45.03	376
10.6	59.474	178	39.54	101	18.708	224	32.93	77	61.417	245	56.70	106	11.41	20	48.79	391
20.5	59.652	129	38.53	79	18.932	161	33.70	104	61.662	175	57.76	134	11.61	9	52.70	396
30.5	59.781	76	37.74	57	19.093	93	34.74	126	61.837	102	59.10	155	11.70	1	56.66	390
Feb. 9.5	59.857	24	37.17	34	19.186	27	36.00	139	61.939	29	60.65	168	11.69	11	60.56	374
19.5	59.881	23	36.83	16	19.213	37	37.39	146	61.968	40	62.33	173	11.58	21	64.30	350
März 1.4	59.858	65	36.67	0	19.176	93	38.85	144	61.928	102	64.06	169	11.37	29	67.80	319
11.4	59.793	99	36.67	14	19.083	139	40.29	136	61.826	153	65.75	156	11.08	35	70.99	281
21.4	59.694	125	36.81	24	18.941	175	41.65	121	61.673	194	67.31	137	10.73	41	73.80	238
31.3	59.569	140	37.05	30	18.769	199	42.86	101	61.479	220	68.68	113	10.32	45	76.18	192
Apr. 10.3	59.429	147	37.35	35	18.570	210	43.87	75	61.259	234	69.81	83	9.87	48	78.10	142
20.3	59.282	146	37.70	37	18.360	210	44.62	48	61.025	236	70.64	50	9.39	49	79.52	89
30.3	59.136	137	38.07	38	18.150	199	45.10	20	60.789	225	71.14	17	8.90	49	80.41	36
Mai 10.2	58.999	122	38.45	38	17.951	180	45.30	10	60.564	205	71.31	17	8.41	47	80.77	18
20.2	58.877	101	38.83	37	17.771	154	45.20	38	60.359	177	71.14	50	7.94	45	80.59	70
30.2	58.776	76	39.20	34	17.617	122	44.82	65	60.182	142	70.64	81	7.49	41	79.89	120
Juni 9.2	58.700	50	39.54	31	17.495	85	44.17	90	60.040	104	69.83	110	7.08	36	78.69	167
19.1	58.650	22	39.85	28	17.410	47	43.27	113	59.936	61	68.73	135	6.72	31	77.02	208
29.1	58.628	6	40.13	23	17.363	7	42.14	132	59.875	17	67.38	158	6.41	24	74.94	244
Juli 9.1	58.634	36	40.36	17	17.356	33	40.82	149	59.858	27	65.80	176	6.17	16	72.50	273
19.0	58.670	65	40.53	9	17.389	73	39.33	164	59.885	71	64.04	191	6.01	9	69.77	293
29.0	58.735	94	40.62	1	17.462	113	37.69	175	59.956	115	62.13	204	5.92	0	66.84	304
Aug. 8.0	58.829	122	40.61	13	17.575	151	35.94	184	60.071	157	60.09	212	5.92	8	63.80	304
18.0	58.951	150	40.48	27	17.726	188	34.10	191	60.228	199	57.97	218	6.00	17	60.76	294
27.9	59.101	177	40.21	43	17.914	224	32.19	196	60.427	240	55.79	220	6.17	26	57.82	273
Sept. 6.9	59.278	205	39.78	61	18.138	259	30.23	197	60.667	278	53.59	219	6.43	34	55.09	241
16.9	59.483	231	39.17	81	18.397	293	28.26	195	60.945	315	51.40	214	6.77	42	52.68	199
26.9	59.714	256	38.36	100	18.690	324	26.31	191	61.260	349	49.26	205	7.19	49	50.69	148
Okt. 6.8	59.970	280	37.36	119	19.014	353	24.40	182	61.609	381	47.21	192	7.68	55	49.21	89
16.8	60.250	300	36.17	137	19.367	377	22.58	170	61.990	408	45.29	175	8.23	59	48.32	26
26.8	60.550	315	34.80	151	19.744	397	20.88	153	62.398	429	43.54	153	8.82	61	48.06	40
Nov. 5.7	60.865	325	33.29	161	20.141	408	19.35	132	62.827	442	42.01	127	9.43	62	48.46	107
15.7	61.190	328	31.68	166	20.549	411	18.03	106	63.269	444	40.74	96	10.05	60	49.53	171
25.7	61.518	321	30.02	166	20.960	403	16.97	76	63.713	437	39.78	61	10.65	57	51.24	231
Dez. 5.7	61.839	305	28.36	161	21.363	384	16.21	43	64.150	416	39.17	24	11.22	52	53.55	283
15.6	62.144	281	26.75	149	21.747	353	15.78	9	64.566	383	38.93	15	11.74	44	56.38	326
25.6	62.425	246	25.26	133	22.100	310	15.69	26	64.949	336	39.08	52	12.18	36	59.64	360
35.6	62.671		23.93		22.410		15.95		65.285		39.60		12.54		63.24	
Mittl. Ort	56.993		47.11		15.504		43.85		57.975		68.24		8.38		52.68	
sec δ, tg δ	1.023		+0.216		1.348		+0.904		1.480		+1.091		2.465		−2.253	

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Mittlere Zeit Greenw.	344) σ² Ursae majoris				345) λ Argus				347) ϑ Hydrae				348) β Argus			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	9h 3m		+67° 27′		9h 4m		−43° 5′		9h 10m		+2° 39′		9h 12m		−69° 22′	
Jan. 0.6	11.48	48	67.03	165	58.571	231	44.57	352	4.943	229	49.29	180	20.57	35	22.20	369
10.6	11.96	38	68.68	202	58.802	173	48.09	359	5.172	186	47.49	162	20.92	24	25.89	388
20.6	12.34	26	70.70	229	58.975	111	51.68	355	5.358	138	45.87	142	21.16	12	29.77	396
30.5	12.60	14	72.99	249	59.086	47	55.23	343	5.496	87	44.45	119	21.28	1	33.73	394
Feb. 9.5	12.74	2	75.48	256	59.133	13	58.66	323	5.583	37	43.26	96	21.29	11	37.67	382
19.5	12.76	10	78.04	252	59.120	70	61.89	296	5.620	10	42.30	73	21.18	22	41.49	361
März 1.4	12.66	20	80.56	237	59.050	120	64.85	262	5.610	51	41.57	51	20.96	31	45.10	333
11.4	12.46	30	82.93	214	58.930	162	67.47	226	5.559	86	41.06	32	20.65	39	48.43	297
21.4	12.16	38	85.07	180	58.768	193	69.73	185	5.473	112	40.74	13	20.26	46	51.40	257
31.4	11.78	43	86.87	140	58.575	216	71.58	141	5.361	129	40.61	3	19.80	51	53.97	211
Apr. 10.3	11.35	45	88.27	95	58.359	228	72.99	96	5.232	139	40.64	16	19.29	55	56.08	161
20.3	10.90	47	89.22	46	58.131	233	73.95	50	5.093	140	40.80	27	18.74	56	57.69	110
30.3	10.43	46	89.68	2	57.898	228	74.45	4	4.953	133	41.07	38	18.18	57	58.79	57
Mai 10.3	9.97	43	89.66	51	57.670	216	74.49	41	4.820	121	41.45	47	17.61	56	59.36	3
20.2	9.54	38	89.15	98	57.454	198	74.08	85	4.699	105	41.92	54	17.05	53	59.39	51
30.2	9.16	33	88.17	142	57.256	174	73.23	126	4.594	84	42.46	59	16.52	50	58.88	102
Juni 9.2	8.83	26	86.75	180	57.082	146	71.97	163	4.510	60	43.05	64	16.02	45	57.86	150
19.1	8.57	19	84.95	215	56.936	114	70.34	197	4.450	35	43.69	66	15.57	39	56.36	195
29.1	8.38	11	82.80	243	56.822	79	68.37	224	4.415	9	44.35	67	15.18	31	54.41	234
Juli 9.1	8.27	2	80.37	267	56.743	40	66.13	244	4.406	19	45.02	64	14.87	23	52.07	265
19.1	8.25	5	77.70	284	56.703	0	63.69	257	4.425	45	45.66	59	14.64	15	49.42	288
29.0	8.30	14	74.86	295	56.703	42	61.12	262	4.470	73	46.25	51	14.49	4	46.54	303
Aug. 8.0	8.44	21	71.91	301	56.745	87	58.50	257	4.543	101	46.76	39	14.45	5	43.51	307
18.0	8.65	30	68.90	301	56.832	131	55.93	243	4.644	129	47.15	23	14.50	15	40.44	300
27.9	8.95	37	65.89	294	56.963	175	53.50	219	4.773	158	47.38	4	14.65	26	37.44	282
Sept. 6.9	9.32	44	62.95	284	57.138	219	51.31	186	4.931	185	47.42	18	14.91	36	34.62	254
16.9	9.76	51	60.11	267	57.357	261	49.45	144	5.116	213	47.24	44	15.27	46	32.08	214
26.9	10.27	57	57.44	244	57.618	300	48.01	95	5.329	240	46.80	70	15.73	54	29.94	166
Okt. 6.8	10.84	62	55.00	216	57.918	333	47.06	41	5.569	265	46.10	97	16.27	60	28.28	109
16.8	11.46	66	52.84	183	58.251	360	46.65	18	5.834	288	45.13	124	16.87	66	27.19	47
26.8	12.12	70	51.01	145	58.611	379	46.83	78	6.122	306	43.89	149	17.53	69	26.72	19
Nov. 5.8	12.82	71	49.56	101	58.990	388	47.61	137	6.428	318	42.40	169	18.22	70	26.91	86
15.7	13.53	72	48.55	55	59.378	386	48.98	193	6.746	322	40.71	184	18.92	69	27.77	152
25.7	14.25	71	48.00	6	59.764	373	50.91	242	7.068	318	38.87	195	19.61	66	29.29	213
Dez. 5.7	14.96	66	47.94	45	60.137	347	53.33	285	7.386	305	36.92	199	20.27	59	31.42	267
15.6	15.62	61	48.39	94	60.484	310	56.18	318	7.691	282	34.93	195	20.86	52	34.09	314
25.6	16.23	53	49.33	139	60.794	263	59.36	341	7.973	251	32.98	187	21.38	42	37.23	351
35.6	16.76		50.72		61.057		62.77		8.224		31.11		21.80		40.74	
Mittl. Ort	6.56		81.58		56.479		49.07		2.843		54.29		17.68		30.61	
sec δ, tg δ	2.610		+2.411		1.369		−0.936		1.001		+0.047		2.839		−2.657	

Mittlere Zeit Greenw.	350) 83 Cancri AR.		Dekl.		352) 40 Lyncis AR.		Dekl.		353) ϰ Argus AR.		Dekl.		354) α Hydrae AR.		Dekl.	
	$9^h 14^m$		+18° 3′		$9^h 16^m$		+34° 44′		$9^h 19^m$		−54° 39′		$9^h 23^m$		−8° 17′	
1917	s		″		s		″		s		″		s		″	
Jan. 0.6	23.356	248	19.93	99	2.779	282	27.49	8	34.726	279	14.10	363	32.535	236	56.50	233
10.6	23.604	203	18.94	73	3.061	230	27.41	25	35.005	209	17.73	378	32.771	192	58.83	222
20.6	23.807	153	18.21	48	3.291	174	27.66	54	35.214	133	21.51	383	32.963	144	61.05	207
30.5	23.960	100	17.73	24	3.465	113	28.20	79	35.347	57	25.34	377	33.107	95	63.12	186
Feb. 9.5	24.060	47	17.49	1	3.578	52	28.99	99	35.404	17	29.11	361	33.202	45	64.98	163
19.5	24.107	4	17.48	18	3.630	6	29.98	113	35.387	87	32.72	339	33.247	2	66.61	138
März 1.4	24.103	48	17.66	33	3.624	59	31.11	120	35.300	148	36.11	309	33.245	44	67.99	111
11.4	24.055	86	17.99	43	3.565	103	32.31	119	35.152	200	39.20	272	33.201	79	69.10	86
21.4	23.969	115	18.42	50	3.462	137	33.50	112	34.952	243	41.92	232	33.122	107	69.96	61
31.4	23.854	135	18.92	53	3.325	162	34.62	101	34.709	275	44.24	188	33.015	125	70.57	37
Apr. 10.3	23.719	146	19.45	52	3.163	176	35.63	84	34.434	295	46.12	139	32.890	137	70.94	14
20.3	23.573	147	19.97	49	2.987	180	36.47	64	34.139	306	47.51	91	32.753	140	71.08	8
30.3	23.426	141	20.46	43	2.807	174	37.11	42	33.833	308	48.42	40	32.613	136	71.00	29
Mai 10.3	23.285	129	20.89	37	2.633	160	37.53	19	33.525	299	48.82	11	32.477	126	70.71	47
20.2	23.156	112	21.26	29	2.473	140	37.72	4	33.226	282	48.71	60	32.351	113	70.24	64
30.2	23.044	89	21.55	20	2.333	114	37.68	28	32.944	259	48.11	107	32.238	94	69.60	80
Juni 9.2	22.955	65	21.75	12	2.219	86	37.40	50	32.685	229	47.04	152	32.144	73	68.80	93
19.1	22.890	38	21.87	2	2.133	54	36.90	70	32.456	192	45.52	192	32.071	50	67.87	104
29.1	22.852	10	21.89	7	2.079	21	36.20	89	32.264	150	43.60	226	32.021	26	66.83	112
Juli 9.1	22.842	19	21.82	17	2.058	13	35.31	107	32.114	103	41.34	254	31.995	0	65.71	115
19.1	22.861	47	21.65	28	2.071	48	34.24	123	32.011	53	38.80	273	31.995	27	64.56	114
29.0	22.908	76	21.37	40	2.119	81	33.01	136	31.958	2	36.07	285	32.022	55	63.42	110
Aug. 8.0	22.984	105	20.97	52	2.200	115	31.65	150	31.960	59	33.22	285	32.077	82	62.32	100
18.0	23.089	133	20.45	67	2.315	149	30.15	161	32.019	119	30.37	277	32.159	112	61.32	84
28.0	23.222	163	19.78	82	2.464	183	28.54	170	32.138	178	27.60	258	32.271	141	60.48	63
Sept. 6.9	23.385	192	18.96	97	2.647	216	26.84	178	32.316	237	25.02	228	32.412	172	59.85	38
16.9	23.577	221	17.99	114	2.863	248	25.06	184	32.553	294	22.74	188	32.584	201	59.47	8
26.9	23.798	249	16.85	129	3.111	280	23.22	187	32.847	345	20.86	140	32.785	231	59.39	25
Okt. 6.9	24.047	275	15.56	144	3.391	310	21.35	186	33.192	391	19.46	85	33.016	258	59.64	61
16.8	24.322	299	14.12	155	3.701	336	19.49	182	33.583	428	18.61	24	33.274	283	60.25	96
26.8	24.621	318	12.57	164	4.037	357	17.67	174	34.011	454	18.37	40	33.557	303	61.21	131
Nov. 5.8	24.939	332	10.93	168	4.394	373	15.93	160	34.465	466	18.77	104	33.860	316	62.52	163
15.7	25.271	338	9.25	168	4.767	381	14.33	141	34.931	465	19.81	166	34.176	323	64.15	191
25.7	25.609	335	7.57	161	5.148	378	12.92	118	35.396	449	21.47	223	34.499	320	66.06	213
Dez. 5.7	25.944	323	5.96	150	5.526	364	11.74	91	35.845	419	23.70	274	34.819	308	68.19	227
15.6	26.267	301	4.46	133	5.890	340	10.83	59	36.264	375	26.44	316	35.127	287	70.46	236
25.6	26.568	269	3.13	112	6.230	304	10.24	27	36.639	317	29.60	347	35.414	256	72.82	235
35.6	26.837		2.01		6.534		9.97		36.956		33.07		35.670		75.17	
Mittl. Ort	21.100		28.41		0.201		39.25		32.525		20.85		30.558		53.67	
sec δ, tg δ	1.052		+0.326		1.217		+0.694		1.729		−1.410		1.011		−0.146	

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Mittlere Zeit Greenw.	355) *h* Ursae majoris				357) *d* Ursae majoris				358) θ Ursae majoris				359) ψ Argus			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	9h 25m		+63° 24′		9h 27m		+70° 11′		9h 27m		+52° 2′		9h 27m		−40° 6′	
	s		″		s		″		s		″		s		″	
Jan. 0.6	4.20	46	76.20	128	15.23	58	29.31	154	22.076	360	67.60	72	27.734	255	5.78	338
10.6	4.66	38	77.48	169	15.81	47	30.85	195	22.436	297	68.32	111	27.989	200	9.16	348
20.6	5.04	28	79.17	202	16.28	35	32.80	230	22.733	225	69.43	145	28.189	143	12.64	347
30.5	5.32	17	81.19	227	16.63	21	35.10	254	22.958	148	70.88	172	28.332	82	16.11	337
Feb. 9.5	5.49	7	83.46	242	16.84	8	37.64	267	23.106	68	72.60	190	28.414	23	19.48	319
19.5	5.56	3	85.88	246	16.92	6	40.31	268	23.174	9	74.50	199	28.437	33	22.67	295
März 1.5	5.53	13	88.34	238	16.86	19	42.99	258	23.165	79	76.49	198	28.404	83	25.62	265
11.4	5.40	21	90.72	221	16.67	29	45.57	238	23.086	141	78.47	189	28.321	125	28.27	231
21.4	5.19	28	92.93	195	16.38	39	47.95	207	22.945	191	80.36	170	28.196	158	30.58	192
31.4	4.91	33	94.88	160	15.99	46	50.02	169	22.754	228	82.06	145	28.038	184	32.50	152
Apr. 10.3	4.58	37	96.48	121	15.53	50	51.71	124	22.526	252	83.51	114	27.854	199	34.02	110
20.3	4.21	39	97.69	76	15.03	53	52.95	75	22.274	261	84.65	79	27.655	207	35.12	66
30.3	3.82	38	98.45	29	14.50	53	53.70	24	22.013	259	85.44	41	27.448	207	35.78	22
Mai 10.3	3.44	37	98.74	17	13.97	51	53.94	26	21.754	246	85.85	2	27.241	200	36.00	22
20.2	3.07	33	98.57	63	13.46	48	53.68	77	21.508	223	85.87	36	27.041	186	35.78	63
30.2	2.74	29	97.94	108	12.98	42	52.91	124	21.285	193	85.51	73	26.855	168	35.15	104
Juni 9.2	2.45	24	96.86	147	12.56	36	51.67	168	21.092	155	84.78	108	26.687	145	34.11	142
19.2	2.21	19	95.39	184	12.20	28	49.99	206	20.937	115	83.70	140	26.542	118	32.69	174
29.1	2.02	12	93.55	216	11.92	20	47.93	240	20.822	71	82.30	168	26.424	87	30.95	202
Juli 9.1	1.90	6	91.39	243	11.72	11	45.53	269	20.751	25	80.62	193	26.337	54	28.93	224
19.1	1.84	1	88.96	264	11.61	2	42.84	290	20.726	21	78.69	214	26.283	18	26.69	240
29.0	1.85	8	86.32	281	11.59	7	39.94	306	20.747	69	76.55	230	26.265	20	24.29	246
Aug. 8.0	1.93	15	83.51	291	11.66	16	36.88	317	20.816	116	74.25	244	26.285	61	21.83	244
18.0	2.08	21	80.60	297	11.82	25	33.71	320	20.932	162	71.81	253	26.346	103	19.39	234
28.0	2.29	27	77.63	296	12.07	34	30.51	318	21.094	209	69.28	257	26.449	145	17.05	214
Sept. 6.9	2.56	34	74.67	291	12.41	43	27.33	309	21.303	254	66.71	258	26.594	189	14.91	184
16.9	2.90	40	71.76	280	12.84	50	24.24	295	21.557	299	64.13	253	26.783	231	13.07	147
26.9	3.30	46	68.96	263	13.34	58	21.29	275	21.856	341	61.60	245	27.014	272	11.60	101
Okt. 6.9	3.76	51	66.33	241	13.92	65	18.54	247	22.197	381	59.15	231	27.286	308	10.59	50
16.8	4.27	55	63.92	212	14.57	71	16.07	215	22.578	416	56.84	212	27.594	338	10.09	5
26.8	4.82	59	61.80	178	15.28	75	13.92	175	22.994	445	54.72	188	27.932	362	10.14	64
Nov. 5.8	5.41	62	60.02	139	16.03	78	12.17	132	23.439	467	52.84	158	28.294	377	10.78	121
15.7	6.03	63	58.63	95	16.81	80	10.85	84	23.906	477	51.26	122	28.671	381	11.99	175
25.7	6.66	62	57.68	47	17.61	79	10.01	32	24.383	476	50.04	84	29.052	373	13.74	225
Dez. 5.7	7.28	60	57.21	2	18.40	76	9.69	22	24.859	462	49.20	41	29.425	355	15.99	268
15.7	7.88	56	57.23	53	19.16	71	9.91	75	25.321	432	48.79	3	29.780	323	18.67	302
25.6	8.44	50	57.76	100	19.87	63	10.66	125	25.753	389	48.82	45	30.103	283	21.69	327
35.6	8.94		58.76		20.50		11.91		26.142		49.27		30.386		24.96	
Mittl. Ort	0.09		92.45		10.10		46.23		18.904		82.83		25.763		10.10	
sec δ, tg δ	2.235		+1.999		2.952		+2.777		1.626		+1.282		1.307		−0.842	

Mittlere Zeit Greenw.	360) 10 Leonis min. AR.		Dekl.		366) ϑ Antliae AR.		Dekl.		367) ε Leonis AR.		Dekl.		369) υ Argus AR.		Dekl.	
	$9^h 29^m$		$+36° 45'$		$9^h 40^m$		$-27° 23'$		$9^h 41^m$		$+24° 8'$		$9^h 44^m$		$-64° 41'$	
1917	s		″		s		″		s		″		s		″	
Jan. 0.6	11.206	299	47.38	5	31.924	254	18.68	303	10.827	279	74.06	79	64.02	39	3.10	352
10.6	11.505	249	47.33	29	32.178	209	21.71	305	11.106	235	73.27	50	64.41	29	6.62	377
20.6	11.754	192	47.62	60	32.387	158	24.76	301	11.341	186	72.77	19	64.70	21	10.39	391
30.5	11.946	131	48.22	88	32.545	104	27.77	288	11.527	132	72.58	9	64.91	10	14.30	394
Feb. 9.5	12.077	69	49.10	110	32.649	52	30.65	268	11.659	77	72.67	33	65.01	1	18.24	387
19.5	12.146	8	50.20	125	32.701	2	33.33	244	11.736	24	73.00	54	65.02	8	22.11	372
März 1.5	12.154	46	51.45	133	32.703	44	35.77	215	11.760	25	73.54	70	64.94	16	25.83	348
11.4	12.108	93	52.78	133	32.659	83	37.92	184	11.735	66	74.24	79	64.78	24	29.31	318
21.4	12.015	131	54.11	127	32.576	114	39.76	151	11.669	101	75.03	84	64.54	31	32.49	281
31.4	11.884	159	55.38	114	32.462	137	41.27	116	11.568	125	75.87	83	64.23	35	35.30	239
Apr. 10.4	11.725	175	56.52	97	32.325	152	42.43	80	11.443	141	76.70	78	63.88	39	37.69	193
20.3	11.550	182	57.49	76	32.173	159	43.23	45	11.302	148	77.48	69	63.49	41	39.62	144
30.3	11.368	179	58.25	51	32.014	160	43.68	9	11.154	147	78.17	58	63.08	43	41.06	93
Mai 10.3	11.189	168	58.76	26	31.854	155	43.77	25	11.007	139	78.75	44	62.65	43	41.99	40
20.2	11.021	150	59.02	0	31.699	144	43.52	59	10.868	125	79.19	29	62.22	42	42.39	14
30.2	10.871	126	59.02	26	31.555	128	42.93	91	10.743	107	79.48	14	61.80	40	42.25	65
Juni 9.2	10.745	98	58.76	50	31.427	110	42.02	119	10.636	85	79.62	1	61.40	36	41.60	116
19.2	10.647	69	58.26	73	31.317	88	40.83	145	10.551	60	79.61	17	61.04	33	40.44	162
29.1	10.578	35	57.53	96	31.229	63	39.38	166	10.491	34	79.44	33	60.71	28	38.82	203
Juli 9.1	10.543	2	56.57	115	31.166	36	37.72	182	10.457	7	79.11	48	60.43	22	36.79	239
19.1	10.541	31	55.42	133	31.130	8	35.90	192	10.450	21	78.63	63	60.21	16	34.40	268
29.1	10.572	66	54.09	150	31.122	23	33.98	196	10.471	50	78.00	78	60.05	9	31.72	287
Aug. 8.0	10.638	101	52.59	163	31.145	56	32.02	192	10.521	80	77.22	93	59.96	0	28.85	297
18.0	10.739	136	50.96	176	31.201	90	30.10	180	10.601	110	76.29	108	59.96	8	25.88	297
28.0	10.875	171	49.20	186	31.291	126	28.30	161	10.711	141	75.21	124	60.04	16	22.91	286
Sept. 6.9	11.046	206	47.34	195	31.417	162	26.69	134	10.852	172	73.97	138	60.20	25	20.05	264
16.9	11.252	240	45.39	200	31.579	199	25.35	100	11.024	204	72.59	152	60.45	33	17.41	230
26.9	11.492	274	43.39	203	31.778	234	24.35	60	11.228	236	71.07	164	60.78	40	15.11	187
Okt. 6.9	11.766	306	41.36	201	32.012	268	23.75	15	11.464	266	69.43	175	61.18	48	13.24	135
16.8	12.072	335	39.35	196	32.280	297	23.60	34	11.730	295	67.68	181	61.66	54	11.89	76
26.8	12.407	360	37.39	187	32.577	321	23.94	84	12.025	319	65.87	185	62.20	57	11.13	13
Nov. 5.8	12.767	378	35.52	171	32.898	339	24.78	132	12.344	338	64.02	184	62.77	60	11.00	53
15.8	13.145	389	33.81	150	33.237	346	26.10	178	12.682	350	62.18	176	63.37	61	11.53	119
25.7	13.534	388	32.31	125	33.583	345	27.88	219	13.032	352	60.42	164	63.98	59	12.72	182
Dez. 5.7	13.922	378	31.06	95	33.928	333	30.07	252	13.384	345	58.78	146	64.57	56	14.54	239
15.7	14.300	355	30.11	62	34.261	309	32.59	279	13.729	327	57.32	123	65.13	50	16.93	289
25.6	14.655	322	29.49	27	34.570	277	35.38	295	14.056	298	56.09	96	65.63	43	19.82	330
35.6	14.977		29.22		34.847		38.33		14.354		55.13		66.06		23.12	
Mittl. Ort	8.646		60.38		30.053		20.32		8.602		85.21		61.67		12.03	
sec δ, tg δ	1.248		+0.747		1.126		−0.518		1.096		+0.448		2.339		−2.114	

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Mittlere Zeit Greenw.	368) υ Ursae majoris AR.		Dekl.		370) 6 Sextantis AR.		Dekl.		372) Gr. 1586 AR.		Dekl.		378) π Leonis AR.		Dekl.	
1917	9h 45m		+59° 25′		9h 47m		−3° 51′		9h 50m		+73° 15′		9h 55m		+8° 26′	
Jan. 0.6	9.542s	440	30.05″	91	5.029s	255	18.36″	217	65.06s	71	70.87″	140	51.698s	269	26.70″	164
10.6	9.982	370	30.96	135	5.284	215	20.53	204	65.77	60	72.27	187	51.967	230	25.06	142
20.6	10.352	288	32.31	172	5.499	170	22.57	186	66.37	46	74.14	226	52.197	184	23.64	118
30.6	10.640	198	34.03	203	5.669	121	24.43	164	66.83	31	76.40	256	52.381	136	22.46	92
Feb. 9.5	10.838	104	36.06	223	5.790	71	26.07	141	67.14	15	78.96	275	52.517	85	21.54	66
19.5	10.942	13	38.29	234	5.861	24	27.48	116	67.29	0	81.71	281	52.602	37	20.88	43
März 1.5	10.955	74	40.63	234	5.885	19	28.64	92	67.29	16	84.52	276	52.639	8	20.45	20
11.4	10.881	152	42.97	222	5.866	56	29.56	67	67.13	29	87.28	259	52.631	47	20.25	0
21.4	10.729	216	45.19	203	5.810	86	30.23	44	66.84	41	89.87	231	52.584	78	20.25	15
31.4	10.513	267	47.22	175	5.724	108	30.67	23	66.43	51	92.18	196	52.506	103	20.40	28
Apr. 10.4	10.246	302	48.97	140	5.616	122	30.90	4	65.92	57	94.14	151	52.403	118	20.68	37
20.3	9.944	322	50.37	99	5.494	129	30.94	13	65.35	62	95.65	103	52.285	126	21.05	44
30.3	9.622	326	51.36	57	5.365	129	30.81	29	64.73	64	96.68	52	52.159	128	21.49	48
Mai 10.3	9.296	317	51.93	12	5.236	123	30.52	44	64.09	63	97.20	2	52.031	122	21.97	50
20.3	8.979	296	52.05	33	5.113	112	30.08	56	63.46	60	97.18	55	51.909	113	22.47	50
30.2	8.683	265	51.72	75	5.001	98	29.52	67	62.86	55	96.63	106	51.796	98	22.97	49
Juni 9.2	8.418	227	50.97	117	4.903	80	28.85	77	62.31	49	95.57	153	51.698	81	23.46	47
19.2	8.191	181	49.80	155	4.823	60	28.08	84	61.82	41	94.04	197	51.617	62	23.93	43
29.1	8.010	130	48.25	188	4.763	38	27.24	87	61.41	32	92.07	234	51.555	40	24.36	38
Juli 9.1	7.880	78	46.37	218	4.725	15	26.37	89	61.09	23	89.73	268	51.515	18	24.74	31
19.1	7.802	22	44.19	243	4.710	9	25.48	87	60.86	12	87.05	295	51.497	7	25.05	23
29.1	7.780	35	41.76	263	4.719	36	24.61	81	60.74	1	84.10	315	51.504	33	25.28	11
Aug. 8.0	7.815	93	39.13	278	4.755	62	23.80	70	60.73	9	80.95	329	51.537	58	25.39	2
18.0	7.908	150	36.35	289	4.817	90	23.10	56	60.82	20	77.66	338	51.595	87	25.37	18
28.0	8.058	208	33.46	293	4.907	120	22.54	37	61.02	30	74.28	338	51.682	115	25.19	36
Sept. 7.0	8.266	265	30.53	293	5.027	151	22.17	13	61.32	40	70.90	333	51.797	146	24.83	56
16.9	8.531	321	27.60	288	5.178	182	22.04	14	61.72	51	67.57	321	51.943	177	24.27	79
26.9	8.852	374	24.72	276	5.360	213	22.18	43	62.23	60	64.36	303	52.120	209	23.48	101
Okt. 6.9	9.226	425	21.96	259	5.573	243	22.61	75	62.83	69	61.33	277	52.329	239	22.47	124
16.8	9.651	471	19.37	236	5.816	271	23.36	107	63.52	77	58.56	245	52.568	269	21.23	146
26.8	10.122	509	17.01	206	6.087	295	24.43	138	64.29	83	56.11	206	52.837	294	19.77	165
Nov. 5.8	10.631	539	14.95	172	6.382	313	25.81	166	65.12	88	54.05	162	53.131	313	18.12	180
15.8	11.170	556	13.23	131	6.695	323	27.47	189	66.00	91	52.43	113	53.444	327	16.32	191
25.7	11.726	560	11.92	85	7.018	326	29.36	207	66.91	91	51.30	59	53.771	331	14.41	196
Dez. 5.7	12.286	547	11.07	37	7.344	318	31.43	218	67.82	89	50.71	2	54.102	327	12.45	195
15.7	12.833	519	10.70	12	7.662	300	33.61	222	68.71	85	50.69	54	54.429	311	10.50	186
25.7	13.352	472	10.82	62	7.962	274	35.83	221	69.56	76	51.23	109	54.740	286	8.64	174
35.6	13.824		11.44		8.236		38.04		70.32		52.32		55.026		6.90	
Mittl. Ort	6.036		47.57		3.123		13.96		59.61		90.00		49.741		34.61	
sec δ, tg δ	1.966		+1.693		1.002		−0.067		3.475		+3.328		1.011		+0.148	

Mittlere Zeit Greenw.	379) η Leonis AR.		379) η Leonis Dekl.		380) α Leonis AR.		380) α Leonis Dekl.	
	$10^h\ 2^m$		+17° 9′		$10^h\ 3^m$		+12° 21′	
1917	s		″		s		″	
Jan. 0.6	50.610	283	53.91	125	59.179	278	74.63	148
10.6	50.893	244	52.66	98	59.457	239	73.15	124
20.6	51.137	198	51.68	69	59.696	194	71.91	97
30.6	51.335	148	50.99	41	59.890	146	70.94	70
Feb. 9.5	51.483	97	50.58	13	60.036	95	70.24	43
19.5	51.580	46	50.45	11	60.131	45	69.81	19
März 1.5	51.626	1	50.56	32	60.176	0	69.62	4
11.5	51.625	43	50.88	48	60.176	40	69.66	21
21.4	51.582	76	51.36	58	60.136	74	69.87	36
31.4	51.506	103	51.94	65	60.062	99	70.23	45
Apr. 10.4	51.403	120	52.59	67	59.963	116	70.68	52
20.3	51.283	130	53.26	66	59.847	125	71.20	55
30.3	51.153	133	53.92	61	59.722	128	71.75	56
Mai 10.3	51.020	128	54.53	55	59.594	125	72.31	53
20.3	50.892	119	55.08	47	59.469	115	72.84	50
30.2	50.773	105	55.55	36	59.354	103	73.34	44
Juni 9.2	50.668	89	55.91	26	59.251	86	73.78	38
19.2	50.579	68	56.17	14	59.165	67	74.16	31
29.2	50.511	47	56.31	2	59.098	46	74.47	23
Juli 9.1	50.464	23	56.33	10	59.052	24	74.70	12
19.1	50.441	2	56.23	24	59.028	0	74.82	1
29.1	50.443	27	55.99	39	59.028	25	74.83	11
Aug. 8.0	50.470	54	55.60	54	59.053	51	74.72	26
18.0	50.524	83	55.06	71	59.104	80	74.46	43
28.0	50.607	113	54.35	88	59.184	109	74.03	60
Sept. 7.0	50.720	144	53.47	107	59.293	139	73.43	80
16.9	50.864	176	52.40	125	59.432	171	72.63	100
26.9	51.040	208	51.15	143	59.603	204	71.63	121
Okt. 6.9	51.248	241	49.72	160	59.807	235	70.42	142
16.9	51.489	272	48.12	174	60.042	266	69.00	160
26.8	51.761	298	46.38	185	60.308	293	67.40	175
Nov. 5.8	52.059	320	44.53	191	60.601	314	65.65	187
15.8	52.379	335	42.62	193	60.915	329	63.78	194
25.7	52.714	341	40.69	188	61.244	335	61.84	194
Dez. 5.7	53.055	338	38.81	178	61.579	332	59.90	189
15.7	53.393	325	37.03	161	61.911	318	58.01	177
25.7	53.718	300	35.42	139	62.229	294	56.24	160
35.6	54.018		34.03		62.523		54.64	
Mittl. Ort	48.596		64.37		57.223		83.88	
sec δ, tg δ	1.047		+0.309		1.024		+0.219	

Mittlere Zeit Greenw.	381) λ Hydrae AR.		381) λ Hydrae Dekl.		382) γ Velorum AR.		382) γ Velorum Dekl.	
	$10^h\ 6^m$		−11° 56′		$10^h\ 11^m$		−41° 42′	
1917	s		″		s		″	
Jan. 0.6	34.293	268	38.65	249	16.680	308	31.81	322
10.6	34.561	230	41.14	243	16.988	258	35.03	338
20.6	34.791	186	43.57	231	17.246	202	38.41	346
30.6	34.977	137	45.88	213	17.448	144	41.87	343
Feb. 9.5	35.114	88	48.01	191	17.592	85	45.30	333
19.5	35.202	40	49.92	167	17.677	27	48.63	315
März 1.5	35.242	3	51.59	141	17.704	26	51.78	291
11.5	35.239	42	53.00	114	17.678	73	54.69	261
21.4	35.197	73	54.14	88	17.605	113	57.30	228
31.4	35.124	98	55.02	62	17.492	144	59.58	191
Apr. 10.4	35.026	115	55.64	37	17.348	168	61.49	151
20.3	34.911	124	56.01	13	17.180	184	63.00	110
30.3	34.787	128	56.14	10	16.996	193	64.10	67
Mai 10.3	34.659	126	56.04	31	16.803	194	64.77	24
20.3	34.533	118	55.73	51	16.609	190	65.01	19
30.2	34.415	108	55.22	69	16.419	181	64.82	61
Juni 9.2	34.307	93	54.53	85	16.238	167	64.21	101
19.2	34.214	76	53.68	99	16.071	148	63.20	138
29.2	34.138	57	52.69	110	15.923	124	61.82	170
Juli 9.1	34.081	36	51.59	116	15.799	97	60.12	198
19.1	34.045	12	50.43	120	15.702	65	58.14	219
29.1	34.033	12	49.23	118	15.637	31	55.95	234
Aug. 8.0	34.045	40	48.05	111	15.606	8	53.61	239
18.0	34.085	68	46.94	99	15.614	50	51.22	237
28.0	34.153	100	45.95	81	15.664	95	48.85	225
Sept. 7.0	34.253	132	45.14	58	15.759	141	46.60	203
16.9	34.385	165	44.56	29	15.900	189	44.57	173
26.9	34.550	200	44.27	3	16.089	236	42.84	134
Okt. 6.9	34.750	232	44.30	39	16.325	280	41.50	87
16.9	34.982	264	44.69	77	16.605	320	40.63	36
26.8	35.246	291	45.46	113	16.925	354	40.27	20
Nov. 5.8	35.537	312	46.59	149	17.279	380	40.47	78
15.8	35.849	326	48.08	182	17.659	394	41.25	133
25.7	36.175	331	49.90	208	18.053	397	42.58	186
Dez. 5.7	36.506	326	51.98	229	18.450	387	44.44	234
15.7	36.832	312	54.27	242	18.837	365	46.78	274
25.7	37.144	286	56.69	248	19.202	331	49.52	306
35.6	37.430		59.17		19.533		52.58	
Mittl. Ort	32.511		36.12		14.909		37.06	
sec δ, tg δ	1.022		−0.212		1.339		−0.891	

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Mittlere Zeit Greenw.	384) ζ Leonis				383) λ Ursae majoris				386) μ Ursae majoris				387) 30 H. Urs. major.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$10^h\ 12^m$		$+23°\ 49'$		$10^h\ 12^m$		$+43°\ 19'$		$10^h\ 17^m$		$+41°\ 54'$		$10^h\ 18^m$		$+65°\ 58'$	
Jan. 0.6	$6^s.687$	301	$40''.57$	98	$8^s.314$	357	$28''.52$	7	$25^s.814$	355	$45''.50$	18	$13^s.50$	57	$51''.56$	83
10.6	6.988	261	39.59	67	8.671	310	28.45	35	26.169	310	45.32	24	14.07	50	52.39	134
20.6	7.249	214	38.92	34	8.981	254	28.80	76	26.479	256	45.56	65	14.57	40	53.73	179
30.6	7.463	163	38.58	2	9.235	192	29.56	111	26.735	195	46.21	101	14.97	30	55.52	216
Feb. 9.5	7.626	110	38.56	27	9.427	126	30.67	140	26.930	131	47.22	132	15.27	19	57.68	243
19.5	7.736	57	38.83	51	9.553	60	32.07	161	27.061	67	48.54	154	15.46	8	60.11	260
März 1.5	7.793	8	39.34	71	9.613	2	33.68	174	27.128	6	50.08	168	15.54	3	62.71	265
11.5	7.801	37	40.05	85	9.611	59	35.42	178	27.134	50	51.76	174	15.51	14	65.36	259
21.4	7.764	74	40.90	92	9.552	107	37.20	174	27.084	98	53.50	171	15.37	22	67.95	241
31.4	7.690	102	41.82	94	9.445	145	38.94	161	26.986	135	55.21	161	15.15	30	70.36	214
Apr. 10.4	7.588	123	42.76	92	9.300	173	40.55	142	26.851	163	56.82	143	14.85	35	72.50	179
20.3	7.465	135	43.68	84	9.127	190	41.97	118	26.688	181	58.25	121	14.50	40	74.29	138
30.3	7.330	139	44.52	74	8.937	197	43.15	89	26.507	189	59.46	93	14.10	42	75.67	92
Mai 10.3	7.191	137	45.26	61	8.740	195	44.04	57	26.318	189	60.39	63	13.68	42	76.59	44
20.3	7.054	129	45.87	45	8.545	186	44.61	24	26.129	180	61.02	31	13.26	40	77.03	6
30.2	6.925	116	46.32	29	8.359	169	44.85	9	25.949	165	61.33	2	12.86	39	76.97	55
Juni 9.2	6.809	99	46.61	12	8.190	148	44.76	43	25.784	145	61.31	34	12.47	35	76.42	103
19.2	6.710	79	46.73	6	8.042	122	44.33	75	25.639	121	60.97	66	12.12	30	75.39	147
29.2	6.631	57	46.67	24	7.920	92	43.58	105	25.518	93	60.31	97	11.82	25	73.92	188
Juli 9.1	6.574	34	46.43	41	7.828	61	42.53	134	25.425	63	59.34	124	11.57	19	72.04	225
19.1	6.540	9	46.02	59	7.767	27	41.19	159	25.362	32	58.10	150	11.38	12	69.79	256
29.1	6.531	18	45.43	76	7.740	8	39.60	181	25.330	3	56.60	173	11.26	6	67.23	282
Aug. 8.0	6.549	46	44.67	94	7.748	45	37.79	202	25.333	38	54.87	194	11.20	1	64.41	303
18.0	6.595	75	43.73	111	7.793	83	35.77	220	25.371	75	52.93	213	11.21	9	61.38	319
28.0	6.670	106	42.62	129	7.876	123	33.57	233	25.446	114	50.80	227	11.30	16	58.19	327
Sept. 7.0	6.776	139	41.33	146	7.999	163	31.24	244	25.560	153	48.53	239	11.46	24	54.92	330
16.9	6.915	173	39.87	161	8.162	204	28.80	250	25.713	194	46.14	247	11.70	31	51.62	326
26.9	7.088	208	38.26	176	8.366	246	26.30	253	25.907	235	43.67	251	12.01	38	48.36	317
Okt. 6.9	7.296	241	36.50	189	8.612	287	23.77	252	26.142	277	41.16	251	12.39	45	45.19	299
16.9	7.537	273	34.61	197	8.899	325	21.25	243	26.419	315	38.65	245	12.84	51	42.20	276
26.8	7.810	303	32.64	203	9.224	360	18.82	230	26.734	349	36.20	234	13.35	57	39.44	245
Nov. 5.8	8.113	328	30.61	202	9.584	389	16.52	211	27.083	379	33.86	215	13.92	62	36.99	208
15.8	8.441	344	28.59	196	9.973	409	14.41	186	27.462	401	31.71	192	14.54	66	34.91	163
25.7	8.785	353	26.63	185	10.382	419	12.55	154	27.863	411	29.79	162	15.20	67	33.28	115
Dez. 5.7	9.138	352	24.78	167	10.801	418	11.01	117	28.274	412	28.17	126	15.87	66	32.13	61
15.7	9.490	340	23.11	144	11.219	404	9.84	77	28.686	399	26.91	87	16.53	65	31.52	6
25.7	9.830	316	21.67	116	11.623	376	9.07	33	29.085	373	26.04	44	17.18	60	31.46	51
35.6	10.146		20.51		11.999		8.74		29.458		25.60		17.78		31.97	
Mittl. Ort	4.637		53.14		5.855		45.47		23.437		62.48		9.79		72.21	
sec δ, tg δ	1.093		+0.442		1.375		+0.943		1.344		+0.898		2.457		+2.245	

Mittlere Zeit Greenw.	389) μ Hydrae AR.		389) μ Hydrae Dekl.		391) J Carinae AR.		391) J Carinae Dekl.		390) 31 Leonis min. AR.		390) 31 Leonis min. Dekl.		392) Lac. α Antliae AR.		392) Lac. α Antliae Dekl.	
1917	10h 22m		−16° 24′		10h 22m		−73° 36′		10h 23m		+37° 7′		10h 23m		−30° 38′	
Jan. 0.6	6.247	282	45.45	262	47.50	63	20.89	316	7.569	341	42.42	46	22.798	297	38.81	297
10.6	6.529	244	48.07	260	48.13	53	24.05	352	7.910	299	41.96	4	23.095	255	41.78	307
20.6	6.773	200	50.67	252	48.66	39	27.57	377	8.209	249	41.92	—35	23.350	207	44.85	308
30.6	6.973	152	53.19	237	49.05	26	31.34	392	8.458	193	42.27	72	23.557	156	47.93	302
Feb. 9.5	7.125	104	55.56	217	49.31	12	35.26	398	8.651	132	42.99	103	23.713	103	50.95	288
19.5	7.229	56	57.73	195	49.43	—2	39.24	394	8.783	72	44.02	128	23.816	51	53.83	269
März 1.5	7.285	11	59.68	169	49.41	14	43.18	380	8.855	15	45.30	144	23.867	3	56.52	245
11.5	7.296	—29	61.37	142	49.27	26	46.98	360	8.870	—37	46.74	154	23.870	—39	58.97	216
21.4	7.267	62	62.79	114	49.01	36	50.58	330	8.833	81	48.28	155	23.831	75	61.13	185
31.4	7.205	88	63.93	86	48.65	45	53.88	296	8.752	117	49.83	148	23.756	105	62.98	152
Apr. 10.4	7.117	107	64.79	59	48.20	53	56.84	255	8.635	144	51.31	135	23.651	126	64.50	118
20.4	7.010	120	65.38	33	47.67	58	59.39	210	8.491	161	52.66	118	23.525	140	65.68	82
30.3	6.890	125	65.71	6	47.09	63	61.49	161	8.330	169	53.84	95	23.385	150	66.50	46
Mai 10.3	6.765	126	65.77	—18	46.46	66	63.10	109	8.161	169	54.79	68	23.235	151	66.96	11
20.3	6.639	122	65.59	42	45.80	66	64.19	55	7.992	162	55.47	41	23.084	148	67.07	—25
30.2	6.517	114	65.17	64	45.14	66	64.74	0	7.830	150	55.88	12	22.936	141	66.82	59
Juni 9.2	6.403	102	64.53	84	44.48	64	64.74	54	7.680	132	56.00	—18	22.795	130	66.23	90
19.2	6.301	88	63.69	102	43.84	60	64.20	106	7.548	111	55.82	46	22.665	115	65.33	120
29.2	6.213	70	62.67	116	43.24	54	63.14	155	7.437	86	55.36	74	22.550	96	64.13	146
Juli 9.1	6.143	51	61.51	127	42.70	47	61.59	199	7.351	59	54.62	100	22.454	75	62.67	167
19.1	6.092	29	60.24	133	42.23	39	59.60	237	7.292	31	53.62	125	22.379	50	61.00	183
29.1	6.063	4	58.91	135	41.84	28	57.23	268	7.261	1	52.37	148	22.329	21	59.17	192
Aug. 8.1	6.059	—23	57.56	131	41.56	16	54.55	290	7.260	—32	50.89	169	22.308	—9	57.25	195
18.0	6.082	52	56.25	121	41.40	4	51.65	302	7.292	66	49.20	187	22.317	43	55.30	191
28.0	6.134	83	55.04	104	41.36	—9	48.63	302	7.358	102	47.33	204	22.360	81	53.39	177
Sept. 7.0	6.217	117	54.00	83	41.45	23	45.61	292	7.460	139	45.29	219	22.441	120	51.62	156
16.9	6.334	153	53.17	55	41.68	36	42.69	270	7.599	177	43.10	229	22.561	161	50.06	128
26.9	6.487	189	52.62	22	42.04	49	39.99	236	7.776	216	40.81	237	22.722	202	48.78	92
Okt. 6.9	6.676	225	52.40	—15	42.53	61	37.63	193	7.992	256	38.44	241	22.924	243	47.86	50
16.9	6.901	259	52.55	55	43.14	72	35.70	141	8.248	294	36.03	239	23.167	280	47.36	3
26.8	7.160	288	53.10	95	43.86	80	34.29	81	8.542	328	33.64	232	23.447	312	47.33	—47
Nov. 5.8	7.448	312	54.05	134	44.66	85	33.48	16	8.870	356	31.32	220	23.759	338	47.80	96
15.8	7.760	329	55.39	170	45.51	87	33.32	—49	9.226	378	29.12	200	24.097	355	48.76	144
25.8	8.089	337	57.09	202	46.38	88	33.81	115	9.604	390	27.12	175	24.452	362	50.20	190
Dez. 5.7	8.426	335	59.11	228	47.26	85	34.96	179	9.994	391	25.37	145	24.814	358	52.10	229
15.7	8.761	321	61.39	247	48.11	79	36.75	237	10.385	381	23.92	108	25.172	343	54.39	261
25.7	9.082	298	63.86	257	48.90	70	39.12	287	10.766	357	22.84	69	25.515	315	57.00	285
35.6	9.380		66.43		49.60		41.99		11.123		22.15		25.830		59.85	
Mittl. Ort	4.550		44.02		44.99		31.94		5.353		58.70		21.120		41.38	
sec δ, tg δ	1.043		−0.295		3.545		−3.401		1.254		+0.757		1.162		−0.592	

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Mittlere Zeit Greenw.	393) s Carinae AR.		393) s Carinae Dekl.		394) 36 Ursae majoris AR.		394) 36 Ursae majoris Dekl.		395) 9 H. Draconis AR.		395) 9 H. Draconis Dekl.		404) 33 Sextantis AR.		404) 33 Sextantis Dekl.	
1917	$10^h\ 24^m$		−58° 18′		$10^h\ 25^m$		+56° 23′		$10^h\ 28^m$		+76° 7′		$10^h\ 37^m$		−1° 18′	
Jan. 0.7	51.587	402	46.30	324	22.391	452	63.96	37	10.07	92	66.12	107	12.560	289	24.06	212
10.6	51.989	338	49.54	353	22.843	396	64.33	86	10.99	79	67.19	160	12.849	256	26.18	198
20.6	52.327	265	53.07	372	23.239	328	65.19	132	11.78	66	68.79	208	13.105	216	28.16	180
30.6	52.592	187	56.79	381	23.567	251	66.51	171	12.44	49	70.87	246	13.321	170	29.96	157
Feb. 9.6	52.779	109	60.60	380	23.818	169	68.22	202	12.93	31	73.33	274	13.491	123	31.53	133
19.5	52.888	32	64.40	370	23.987	84	70.24	223	13.24	12	76.07	290	13.614	76	32.86	107
März 1.5	52.920	39	68.10	352	24.071	2	72.47	233	13.36	6	78.97	293	13.690	32	33.93	81
11.5	52.881	105	71.62	327	24.073	74	74.80	233	13.30	24	81.90	283	13.722	9	34.74	57
21.4	52.776	162	74.89	295	23.999	139	77.13	223	13.06	39	84.73	263	13.713	42	35.31	35
31.4	52.614	209	77.84	259	23.860	194	79.36	204	12.67	52	87.36	233	13.671	69	35.66	15
Apr. 10.4	52.405	248	80.43	218	23.666	237	81.40	176	12.15	63	89.69	193	13.602	90	35.81	3
20.4	52.157	276	82.61	173	23.429	265	83.16	143	11.52	71	91.62	147	13.512	104	35.78	18
30.3	51.881	296	84.34	125	23.164	281	84.59	104	10.81	75	93.09	96	13.408	111	35.60	31
Mai 10.3	51.585	307	85.59	76	22.883	284	85.63	62	10.06	78	94.05	42	13.297	113	35.29	42
20.3	51.278	310	86.35	26	22.599	277	86.25	19	9.28	77	94.47	12	13.184	110	34.87	51
30.2	50.968	304	86.61	25	22.322	260	86.44	25	8.51	74	94.35	67	13.074	104	34.36	59
Juni 9.2	50.664	290	86.36	75	22.062	236	86.19	69	7.77	69	93.68	119	12.970	94	33.77	65
19.2	50.374	268	85.61	121	21.826	204	85.50	109	7.08	61	92.49	168	12.876	81	33.12	68
29.2	50.106	240	84.40	164	21.622	167	84.41	147	6.47	52	90.81	212	12.795	66	32.44	69
Juli 9.1	49.866	203	82.76	203	21.455	126	82.94	183	5.95	42	88.69	251	12.729	49	31.75	69
19.1	49.663	158	80.73	235	21.329	82	81.11	214	5.53	32	86.18	285	12.680	30	31.06	65
29.1	49.505	108	78.38	259	21.247	35	78.97	241	5.21	20	83.33	314	12.650	8	30.41	59
Aug. 8.1	49.397	51	75.79	275	21.212	14	76.56	263	5.01	7	80.19	334	12.642	16	29.82	48
18.0	49.346	12	73.04	281	21.226	66	73.93	281	4.94	6	76.85	349	12.658	42	29.34	35
28.0	49.358	79	70.23	278	21.292	119	71.12	295	5.00	19	73.36	357	12.700	72	28.99	17
Sept. 7.0	49.437	149	67.45	262	21.411	173	68.17	302	5.19	31	69.79	358	12.772	103	28.82	4
16.9	49.586	220	64.83	237	21.584	228	65.15	304	5.50	44	66.21	351	12.875	136	28.86	29
26.9	49.806	290	62.46	201	21.812	283	62.11	301	5.94	57	62.70	337	13.011	171	29.15	56
Okt. 6.9	50.096	355	60.45	155	22.095	336	59.10	292	6.51	68	59.33	317	13.182	207	29.71	84
16.9	50.451	414	58.90	102	22.431	387	56.18	275	7.19	80	56.16	288	13.389	240	30.55	113
26.8	50.865	462	57.88	44	22.818	433	53.43	252	7.99	89	53.28	252	13.629	272	31.68	142
Nov. 5.8	51.327	498	57.44	19	23.251	472	50.91	223	8.88	97	50.76	210	13.901	298	33.10	168
15.8	51.825	518	57.63	83	23.723	501	48.68	187	9.85	102	48.66	160	14.199	317	34.78	190
25.8	52.343	523	58.46	145	24.224	517	46.81	144	10.87	105	47.06	106	14.516	329	36.68	206
Dez. 5.7	52.866	510	59.91	203	24.741	518	45.37	97	11.92	106	46.00	47	14.845	331	38.74	216
15.7	53.376	480	61.94	255	25.259	505	44.40	46	12.98	103	45.53	12	15.176	322	40.90	219
25.7	53.856	435	64.49	299	25.764	475	43.94	6	14.01	97	45.65	73	15.498	303	43.09	216
35.6	54.291		67.48		26.239		44.00		14.98		46.38		15.801		45.25	
Mittl. Ort	49.718		55.19		19.524		83.93		4.65		88.19		10.875		17.84	
sec δ, tg δ	1.904		−1.620		1.807		+1.505		4.175		+4.053		1.000		−0.023	

Mittlere Zeit Greenw.	406) ϑ Argus				407) 42 Leon. minoris				408) μ Argus				409) l Leonis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$10^h\ 39^m$		$-63°\ 57'$		$10^h\ 41^m$		$+31°\ 6'$		$10^h\ 43^m$		$-48°\ 58'$		$10^h\ 44^m$		$+10°\ 58'$	
Jan. 0.7	61.43	49	23.40	309	17.215	334	55.71	86	13.335	369	45.91	308	55.490	301	54.65	169
10.6	61.92	41	26.49	343	17.549	297	54.85	46	13.704	319	48.99	334	55.791	269	52.96	145
20.6	62.33	33	29.92	368	17.846	253	54.39	7	14.023	262	52.33	351	56.060	229	51.51	117
30.6	62.66	24	33.60	383	18.099	202	54.32	30	14.285	201	55.84	357	56.289	184	50.34	88
Feb. 9.6	62.90	15	37.43	387	18.301	147	54.62	63	14.486	136	59.41	356	56.473	136	49.46	59
19.5	63.05	6	41.30	383	18.448	91	55.25	92	14.622	74	62.97	345	56.609	87	48.87	31
März 1.5	63.11	2	45.13	370	18.539	37	56.17	114	14.696	14	66.42	327	56.696	41	48.56	6
11.5	63.09	10	48.83	349	18.576	11	57.31	128	14.710	41	69.69	304	56.737	0	48.50	16
21.4	62.99	17	52.32	321	18.565	54	58.59	135	14.669	89	72.73	274	56.737	36	48.66	34
31.4	62.82	23	55.53	288	18.511	89	59.94	136	14.580	128	75.47	240	56.701	66	49.00	47
Apr. 10.4	62.59	28	58.41	248	18.422	115	61.30	129	14.452	161	77.87	202	56.635	88	49.47	56
20.4	62.31	32	60.89	204	18.307	134	62.59	118	14.291	187	79.89	161	56.547	103	50.03	61
30.3	61.99	35	62.93	158	18.173	144	63.77	102	14.104	204	81.50	117	56.444	112	50.64	64
Mai 10.3	61.64	38	64.51	107	18.029	148	64.79	81	13.900	216	82.67	73	56.332	115	51.28	63
20.3	61.26	38	65.58	56	17.881	144	65.60	59	13.684	219	83.40	26	56.217	112	51.91	61
30.3	60.88	38	66.14	4	17.737	136	66.19	35	13.465	218	83.66	19	56.105	107	52.52	55
Juni 9.2	60.50	37	66.18	48	17.601	124	66.54	10	13.247	210	83.47	64	55.998	98	53.07	48
19.2	60.13	35	65.70	98	17.477	107	66.64	16	13.037	197	82.83	107	55.900	84	53.55	41
29.2	59.78	32	64.72	145	17.370	88	66.48	41	12.840	177	81.76	146	55.816	70	53.96	31
Juli 9.1	59.46	28	63.27	188	17.282	66	66.07	66	12.663	153	80.30	181	55.746	53	54.27	21
19.1	59.18	23	61.39	224	17.216	42	65.41	90	12.510	123	78.49	210	55.693	34	54.48	8
29.1	58.95	18	59.15	255	17.174	16	64.51	112	12.387	86	76.39	233	55.659	12	54.56	5
Aug. 8.1	58.77	11	56.60	276	17.158	12	63.39	134	12.301	44	74.06	247	55.647	12	54.51	21
18.0	58.66	3	53.84	288	17.170	43	62.05	155	12.257	2	71.59	254	55.659	38	54.30	38
28.0	58.63	5	50.96	289	17.213	75	60.50	174	12.259	53	69.05	250	55.697	67	53.92	56
Sept. 7.0	58.68	14	48.07	279	17.288	111	58.76	192	12.312	108	66.55	236	55.764	98	53.36	78
17.0	58.82	22	45.28	259	17.399	148	56.84	207	12.420	165	64.19	213	55.862	131	52.58	99
26.9	59.04	31	42.69	226	17.547	186	54.77	219	12.585	222	62.06	180	55.993	166	51.59	122
Okt. 6.9	59.35	39	40.43	185	17.733	224	52.58	229	12.807	278	60.26	137	56.159	202	50.37	143
16.9	59.74	46	38.58	135	17.957	263	50.29	234	13.085	329	58.89	88	56.361	237	48.94	164
26.8	60.20	52	37.23	77	18.220	298	47.95	234	13.414	374	58.01	33	56.598	270	47.30	183
Nov. 5.8	60.72	57	36.46	15	18.518	328	45.61	228	13.788	409	57.68	25	56.868	298	45.47	196
15.8	61.29	61	36.31	50	18.846	352	43.33	216	14.197	434	57.93	85	57.166	319	43.51	205
25.8	61.90	61	36.81	114	19.198	368	41.17	198	14.631	444	58.78	142	57.485	333	41.46	209
Dez. 5.7	62.51	59	37.95	175	19.566	372	39.19	173	15.075	440	60.20	197	57.818	337	39.37	205
15.7	63.10	57	39.70	232	19.938	366	37.46	142	15.515	423	62.17	245	58.155	331	37.32	196
25.7	63.67	52	42.02	280	20.304	347	36.04	107	15.938	392	64.62	285	58.486	314	35.36	180
35.7	64.19		44.82		20.651		34.97		16.330		67.47		58.800		33.56	
Mittl. Ort	59.56		33.52		15.240		71.43		11.698		53.20		53.765		64.83	
sec δ, tg δ	2.278		−2.047		1.168		+0.604		1.524		−1.150		1.019		+0.194	

Mittlere Zeit Greenw.	415) ι Velorum				416) β Ursae majoris				417) α Ursae majoris				418) χ Leonis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	10h 56m		−41° 46′		10h 56m		+56° 48′		10h 58m		+62° 11′		11h 0m		+7° 46′	
Jan. 0.7	22.109	351	44.15	294	53.084	480	77.42	4	39.85	55	34.89	22	45.821	307	56.34	185
10.6	22.460	311	47.09	316	53.564	433	77.46	58	40.40	49	35.11	77	46.128	276	54.49	163
20.6	22.771	262	50.25	330	53.997	373	78.04	108	40.89	42	35.88	130	46.404	239	52.86	138
30.6	23.033	207	53.55	334	54.370	301	79.12	154	41.31	34	37.18	175	46.643	195	51.48	110
Feb. 9.6	23.240	150	56.89	330	54.671	221	80.66	192	41.65	25	38.93	213	46.838	148	50.38	81
19.5	23.390	94	60.19	319	54.892	138	82.58	220	41.90	16	41.06	240	46.986	102	49.57	52
März 1.5	23.484	40	63.38	302	55.030	55	84.78	238	42.06	6	43.46	257	47.088	57	49.05	27
11.5	23.524	9	66.40	278	55.085	22	87.16	245	42.12	4	46.03	263	47.145	15	48.78	3
21.5	23.515	52	69.18	249	55.063	93	89.61	241	42.08	12	48.66	256	47.160	21	48.75	18
31.4	23.463	89	71.67	218	54.970	155	92.02	227	41.96	19	51.22	240	47.139	52	48.93	33
Apr. 10.4	23.374	120	73.85	182	54.815	204	94.29	205	41.77	25	53.62	214	47.087	75	49.26	45
20.4	23.254	143	75.67	145	54.611	241	96.34	175	41.52	30	55.76	180	47.012	91	49.71	54
30.3	23.111	159	77.12	105	54.370	267	98.09	139	41.22	32	57.56	141	46.921	103	50.25	59
Mai 10.3	22.952	170	78.17	64	54.103	280	99.48	97	40.90	35	58.97	97	46.818	109	50.84	62
20.3	22.782	176	78.81	23	53.823	283	100.45	54	40.55	35	59.94	49	46.709	109	51.46	61
30.3	22.606	176	79.04	18	53.540	275	100.99	10	40.20	34	60.43	1	46.600	106	52.07	59
Juni 9.2	22.430	171	78.86	58	53.265	259	101.09	36	39.86	32	60.44	47	46.494	99	52.66	56
19.2	22.259	162	78.28	96	53.006	237	100.73	80	39.54	30	59.97	94	46.395	89	53.22	50
29.2	22.097	148	77.32	132	52.769	207	99.93	122	39.24	27	59.03	138	46.306	78	53.72	42
Juli 9.2	21.949	128	76.00	163	52.562	172	98.71	162	38.97	22	57.65	180	46.228	62	54.14	34
19.1	21.821	105	74.37	190	52.390	134	97.09	197	38.75	17	55.85	217	46.166	46	54.48	24
29.1	21.716	76	72.47	209	52.256	90	95.12	229	38.58	13	53.68	250	46.120	26	54.72	11
Aug. 8.1	21.640	42	70.38	222	52.166	44	92.83	257	38.45	7	51.18	279	46.094	4	54.83	3
18.0	21.598	3	68.16	228	52.122	5	90.26	281	38.38	1	48.39	301	46.090	21	54.80	20
28.0	21.595	39	65.88	223	52.127	58	87.45	299	38.37	5	45.38	319	46.111	49	54.60	39
Sept. 7.0	21.634	87	63.65	209	52.185	113	84.46	312	38.42	12	42.19	331	46.160	81	54.21	59
17.0	21.721	137	61.56	188	52.298	170	81.34	319	38.54	19	38.88	337	46.241	114	53.62	82
26.9	21.858	188	59.68	156	52.468	229	78.15	320	38.73	25	35.51	335	46.355	150	52.80	106
Okt. 6.9	22.046	239	58.12	117	52.697	287	74.95	316	38.98	32	32.16	327	46.505	186	51.74	130
16.9	22.285	286	56.95	70	52.984	344	71.79	303	39.30	39	28.89	312	46.691	223	50.44	153
26.9	22.571	329	56.25	19	53.328	397	68.76	284	39.69	45	25.77	290	46.914	258	48.91	174
Nov. 5.8	22.900	365	56.06	35	53.725	445	65.92	258	40.14	50	22.87	258	47.172	288	47.17	191
15.8	23.265	390	56.41	90	54.170	483	63.34	223	40.64	55	20.29	220	47.460	311	45.26	204
25.8	23.655	404	57.31	144	54.653	508	61.11	181	41.19	57	18.09	176	47.771	328	43.22	212
Dez. 5.7	24.059	406	58.75	193	55.161	522	59.30	135	41.76	59	16.33	125	48.099	335	41.10	212
15.7	24.465	395	60.68	237	55.683	517	57.95	83	42.35	59	15.08	70	48.434	332	38.98	207
25.7	24.860	370	63.05	274	56.200	497	57.12	29	42.94	56	14.38	13	48.766	317	36.91	194
35.7	25.230		65.79		56.697		56.83		43.50		14.25		49.083		34.97	
Mittl. Ort	20.584		49.81		50.565		99.25		37.06		57.59		44.209		65.95	
sec δ, tg δ	1.341		−0.894		1.828		+1.530		2.144		+1.897		1.009		+0.137	

Mittlere Zeit Greenw.	420) ψ Ursae majoris AR.		Dekl.		421) β Crateris AR.		Dekl.		422) δ Leonis AR.		Dekl.		423) ϑ Leonis AR.		Dekl.	
1917	11h 5m		+44° 56′		11h 7m		−22° 22′		11h 9m		+20° 58′		11h 9m		+15° 52′	
Jan. 0.7	2.248	397	36.54	50	35.893	317	20.70	264	43.462	327	29.18	143	54.800	318	47.99	161
10.7	2.645	362	36.04	1	36.210	285	23.34	270	43.789	297	27.75	110	55.118	290	46.38	132
20.6	3.007	314	36.03	48	36.495	246	26.04	269	44.086	259	26.65	75	55.408	253	45.06	100
30.6	3.321	258	36.51	92	36.741	201	28.73	262	44.345	215	25.90	39	55.661	210	44.06	67
Feb. 9.6	3.579	195	37.43	131	36.942	154	31.35	248	44.560	166	25.51	5	55.871	162	43.39	35
19.5	3.774	131	38.74	163	37.096	106	33.83	230	44.726	117	25.46	27	56.033	115	43.04	4
März 1.5	3.905	66	40.37	186	37.202	60	36.13	207	44.843	69	25.73	54	56.148	67	43.00	23
11.5	3.971	6	42.23	199	37.262	19	38.20	182	44.912	23	26.27	76	56.215	24	43.23	46
21.5	3.977	48	44.22	203	37.281	19	40.02	156	44.935	17	27.03	91	56.239	14	43.69	64
31.4	3.929	96	46.25	199	37.262	49	41.58	128	44.918	50	27.94	101	56.225	47	44.33	76
Apr. 10.4	3.833	133	48.24	186	37.213	75	42.86	99	44.868	77	28.95	105	56.178	73	45.09	83
20.4	3.700	162	50.10	165	37.138	93	43.85	72	44.791	97	30.00	104	56.105	91	45.92	86
30.4	3.538	181	51.75	138	37.045	107	44.57	43	44.694	111	31.04	97	56.014	105	46.78	85
Mai 10.3	3.357	192	53.13	107	36.938	116	45.00	15	44.583	118	32.01	88	55.909	111	47.63	80
20.3	3.165	195	54.20	72	36.822	120	45.15	13	44.465	121	32.89	75	55.798	114	48.43	71
30.3	2.970	190	54.92	37	36.702	119	45.02	38	44.344	118	33.64	60	55.684	112	49.14	61
Juni 9.2	2.780	180	55.29	1	36.583	116	44.64	63	44.226	111	34.24	43	55.572	105	49.75	49
19.2	2.600	165	55.28	39	36.467	109	44.01	86	44.115	102	34.67	25	55.467	97	50.24	36
29.2	2.435	144	54.89	75	36.358	98	43.15	106	44.013	90	34.92	6	55.370	85	50.60	21
Juli 9.2	2.291	121	54.14	110	36.260	85	42.09	123	43.923	74	34.98	14	55.285	71	50.81	5
19.1	2.170	95	53.04	143	36.175	69	40.86	136	43.849	57	34.84	35	55.214	54	50.86	11
29.1	2.075	64	51.61	173	36.106	48	39.50	143	43.792	37	34.49	54	55.160	35	50.75	29
Aug. 8.1	2.011	30	49.88	201	36.058	23	38.07	146	43.755	13	33.95	76	55.125	13	50.46	47
18.1	1.981	6	47.87	225	36.035	4	36.61	143	43.742	13	33.19	96	55.112	13	49.99	67
28.0	1.987	45	45.62	246	36.039	36	35.18	133	43.755	41	32.23	118	55.125	41	49.32	88
Sept. 7.0	2.032	86	43.16	264	36.075	72	33.85	116	43.796	74	31.05	138	55.166	73	48.44	109
17.0	2.118	132	40.52	278	36.147	111	32.69	93	43.870	109	29.67	159	55.239	107	47.35	130
26.9	2.250	179	37.74	285	36.258	152	31.76	63	43.979	146	28.08	179	55.346	143	46.05	151
Okt. 6.9	2.429	226	34.89	289	36.410	193	31.13	28	44.125	185	26.29	195	55.489	182	44.54	171
16.9	2.655	273	32.00	286	36.603	234	30.85	10	44.310	224	24.34	210	55.671	219	42.83	189
26.9	2.928	318	29.14	277	36.837	272	30.95	52	44.534	260	22.24	221	55.890	255	40.94	204
Nov. 5.8	3.246	358	26.37	260	37.109	304	31.47	95	44.794	294	20.03	227	56.145	288	38.90	214
15.8	3.604	390	23.77	237	37.413	329	32.42	136	45.088	321	17.76	226	56.433	314	36.76	219
25.8	3.994	414	21.40	206	37.742	345	33.78	173	45.409	339	15.50	219	56.747	333	34.57	218
Dez. 5.8	4.408	426	19.34	168	38.087	351	35.51	207	45.748	349	13.31	206	57.080	342	32.39	210
15.7	4.834	425	17.66	126	38.438	346	37.58	234	46.097	349	11.25	187	57.422	341	30.29	196
25.7	5.259	410	16.40	79	38.784	330	39.92	253	46.446	336	9.38	160	57.763	328	28.33	174
35.7	5.669		15.61		39.114		42.45		46.782		7.78		58.091		26.59	
Mittl. Ort	0.201		56.55		34.435		20.78		41.802		43.12		53.184		60.38	
sec δ, tg δ	1.413		+0.998		1.081		−0.412		1.071		+0.383		1.040		+0.285	

Mittlere Zeit Greenw.	425) ν Ursae majoris				426) δ Crateris			
	AR.		Dekl.		AR.		Dekl.	
1917	11ʰ 13ᵐ		+33° 32′		11ʰ 15ᵐ		−14° 19′	
Jan. 0.7	61.762	356	32.81	100	12.813	314	47.77	245
10.7	62.118	326	31.81	58	13.127	284	50.22	244
20.6	62.444	285	31.23	14	13.411	247	52.66	238
30.6	62.729	238	31.09	28	13.658	205	55.04	224
Feb. 9.6	62.967	185	31.37	67	13.863	160	57.28	206
19.5	63.152	129	32.04	100	14.023	114	59.34	185
März 1.5	63.281	75	33.04	127	14.137	69	61.19	161
11.5	63.356	24	34.31	145	14.206	29	62.80	136
21.5	63.380	22	35.76	157	14.235	7	64.16	111
31.4	63.358	61	37.33	160	14.228	38	65.27	85
Apr. 10.4	63.297	93	38.93	156	14.190	63	66.12	61
20.4	63.204	118	40.49	145	14.127	82	66.73	37
30.4	63.086	135	41.94	128	14.045	94	67.10	14
Mai 10.3	62.951	144	43.22	108	13.951	104	67.24	7
20.3	62.807	148	44.30	83	13.847	108	67.17	27
30.3	62.659	145	45.13	56	13.739	108	66.90	46
Juni 9.2	62.514	139	45.69	28	13.631	106	66.44	63
19.2	62.375	129	45.97	2	13.525	99	65.81	78
29.2	62.246	114	45.95	31	13.426	91	65.03	91
Juli 9.2	62.132	96	45.64	60	13.335	79	64.12	102
19.1	62.036	76	45.04	88	13.256	64	63.10	108
29.1	61.960	53	44.16	115	13.192	46	62.02	111
Aug. 8.1	61.907	27	43.01	141	13.146	24	60.91	109
18.1	61.880	3	41.60	165	13.122	2	59.82	102
28.0	61.883	35	39.95	188	13.124	31	58.80	90
Sept. 7.0	61.918	70	38.07	208	13.155	64	57.90	72
17.0	61.988	110	35.99	226	13.219	101	57.18	49
26.9	62.098	150	33.73	241	13.320	140	56.69	21
Okt. 6.9	62.248	193	31.32	251	13.460	179	56.48	11
16.9	62.441	235	28.81	258	13.639	219	56.59	46
26.9	62.676	275	26.23	258	13.858	256	57.05	83
Nov. 5.8	62.951	312	23.65	253	14.114	289	57.88	119
15.8	63.263	343	21.12	240	14.403	315	59.07	154
25.8	63.606	365	18.72	221	14.718	333	60.61	183
Dez. 5.8	63.971	377	16.51	195	15.051	340	62.44	209
15.7	64.348	378	14.56	162	15.391	338	64.53	228
25.7	64.726	366	12.94	124	15.729	324	66.81	239
35.7	65.092		11.70		16.053		69.20	
Mittl. Ort	59.993		50.45		11.377		45.19	
sec δ, tg δ	1.200		+0.663		1.032		−0.255	

Mittlere Zeit Greenw.	427) σ Leonis				428) π Centauri			
	AR.		Dekl.		AR.		Dekl.	
1917	11ʰ 16ᵐ		+6° 28′		11ʰ 17ᵐ		−54° 2′	
Jan. 0.7	52.960	313	54.29	192	14.445	436	0.93	278
10.7	53.273	286	52.37	173	14.881	390	3.71	312
20.6	53.559	250	50.64	148	15.271	333	6.83	337
30.6	53.809	209	49.16	120	15.604	271	10.20	353
Feb. 9.6	54.018	164	47.96	91	15.875	204	13.73	359
19.5	54.182	118	47.05	62	16.079	137	17.32	358
März 1.5	54.300	74	46.43	35	16.216	71	20.90	348
11.5	54.374	32	46.08	10	16.287	11	24.38	330
21.5	54.406	5	45.98	11	16.298	45	27.68	307
31.4	54.401	36	46.09	28	16.253	95	30.75	277
Apr. 10.4	54.365	61	46.37	42	16.158	136	33.52	244
20.4	54.304	81	46.79	52	16.022	172	35.96	206
30.4	54.223	93	47.31	59	15.850	200	38.02	164
Mai 10.3	54.130	101	47.90	62	15.650	221	39.66	120
20.3	54.029	104	48.52	63	15.429	236	40.86	74
30.3	53.925	104	49.15	62	15.193	244	41.60	27
Juni 9.2	53.821	100	49.77	59	14 949	246	41.87	20
19.2	53.721	93	50.36	54	14.703	240	41.67	66
29.2	53.628	83	50.90	48	14.463	228	41.01	111
Juli 9.2	53.545	71	51.38	39	14.235	209	39.90	151
19.1	53.474	57	51.77	30	14.026	182	38.39	188
29.1	53.417	38	52.07	18	13.844	148	36.51	218
Aug. 8.1	53.379	18	52.25	4	13.696	106	34.33	240
18.1	53.361	5	52.29	13	13.590	57	31.93	255
28.0	53.366	34	52.16	32	13.533	1	29.38	261
Sept. 7.0	53.400	64	51.84	52	13.532	60	26.77	256
17.0	53.464	98	51.32	75	13.592	125	24.21	240
26.9	53.562	135	50.57	100	13.717	193	21.81	215
Okt. 6.9	53.697	172	49.57	124	13.910	259	19.66	180
16.9	53.869	210	48.33	148	14.169	323	17.86	135
26.9	54.079	247	46.85	170	14.492	380	16.51	84
Nov. 5.8	54.326	279	45.15	189	14.872	428	15.67	27
15.8	54.605	306	43.26	204	15.300	464	15.40	32
25.8	54.911	324	41.22	212	15.764	485	15.72	91
Dez. 5.8	55.235	335	39.10	216	16.249	491	16.63	150
15.7	55.570	334	36.94	212	16.740	482	18.13	203
25.7	55.904	322	34.82	200	17.222	456	20.16	250
35.7	56.226		32.82		17.678		22.66	
Mittl. Ort	51.448		63.83		12.999		9.66	
sec δ, tg δ	1.006		+0.114		1.703		−1.378	

Mittlere Zeit Greenw.	429) Gr. 1771				433) λ Draconis				434) ξ Hydrae				436) λ Centauri			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$11^h\ 17^m$		$+64°\ 46'$		$11^h\ 26^m$		$+69°\ 46'$		$11^h\ 28^m$		$-31°\ 23'$		$11^h\ 31^m$		$-62°\ 33'$	
1917	s		"		s		"		s		"		s		"	
Jan. 0.7	58.79	60	41.83	7	32.45	72	56.59	13	56.308	345	50.95	263	58.13	54	27.22	256
10.7	59.39	56	41.90	66	33.17	67	56.72	73	56.653	315	53.58	280	58.67	49	29.78	297
20.6	59.95	48	42.56	122	33.84	59	57.45	130	56.968	276	56.38	289	59.16	42	32.75	330
30.6	60.43	40	43.78	171	34.43	49	58.75	182	57.244	231	59.27	291	59.58	35	36.05	355
Feb. 9.6	60.83	31	45.49	213	34.92	38	60.57	225	57.475	182	62.18	284	59.93	27	39.60	368
19.6	61.14	20	47.62	244	35.30	26	62.82	257	57.657	134	65.02	272	60.20	19	43.28	373
März 1.5	61.34	10	50.06	265	35.56	13	65.39	279	57.791	85	67.74	254	60.39	11	47.01	370
11.5	61.44	0	52.71	274	35.69	0	68.18	287	57.876	41	70.28	233	60.50	4	50.71	358
21.5	61.44	10	55.45	271	35.69	11	71.05	285	57.917	1	72.61	207	60.54	4	54.29	339
31.4	61.34	18	58.16	258	35.58	21	73.90	270	57.918	34	74.68	180	60.50	11	57.68	315
Apr. 10.4	61.16	25	60.74	234	35.37	31	76.60	246	57.884	63	76.48	151	60.39	16	60.83	282
20.4	60.91	30	63.08	201	35.06	38	79.06	212	57.821	87	77.99	119	60.23	21	63.65	247
30.4	60.61	35	65.09	163	34.68	45	81.18	171	57.734	105	79.18	87	60.02	25	66.12	206
Mai 10.3	60.26	38	66.72	118	34.23	48	82.89	124	57.629	119	80.05	55	59.77	29	68.18	161
20.3	59.88	39	67.90	70	33.75	50	84.13	75	57.510	128	80.60	22	59.48	31	69.79	113
30.3	59.49	39	68.60	20	33.25	50	84.88	22	57.382	133	80.82	11	59.17	33	70.92	63
Juni 9.3	59.10	38	68.80	29	32.75	50	85.10	30	57.249	134	80.71	43	58.84	34	71.55	13
19.2	58.72	35	68.51	79	32.25	48	84.80	82	57.115	131	80.28	73	58.50	33	71.68	37
29.2	58.37	33	67.72	126	31.77	43	83.98	132	56.984	124	79.55	101	58.17	33	71.31	87
Juli 9.2	58.04	28	66.46	171	31.34	39	82.66	178	56.860	114	78.54	126	57.84	31	70.44	133
19.1	57.76	24	64.75	212	30.95	34	80.88	221	56.746	99	77.28	147	57.53	27	69.11	175
29.1	57.52	18	62.63	247	30.61	27	78.67	259	56.647	79	75.81	164	57.26	23	67.36	213
Aug. 8.1	57.34	13	60.16	279	30.34	19	76.08	291	56.568	54	74.17	173	57.03	19	65.23	243
18.1	57.21	6	57.37	306	30.15	12	73.17	319	56.514	25	72.44	177	56.84	12	62.80	264
28.0	57.15	0	54.31	326	30.03	4	69.98	340	56.489	9	70.67	174	56.72	5	60.16	276
Sept. 7.0	57.15	7	51.05	340	29.99	5	66.58	354	56.498	48	68.93	163	56.67	3	57.40	279
17.0	57.22	15	47.65	349	30.04	14	63.04	363	56.546	91	67.30	143	56.70	12	54.61	270
27.0	57.37	22	44.16	350	30.18	23	59.41	363	56.637	137	65.87	117	56.82	20	51.91	250
Okt. 6.9	57.59	30	40.66	344	30.41	33	55.78	355	56.774	184	64.70	83	57.02	29	49.41	218
16.9	57.89	38	37.22	330	30.74	42	52.23	341	56.958	230	63.87	43	57.31	37	47.23	178
26.9	58.27	45	33.92	308	31.16	51	48.82	317	57.188	273	63.44	0	57.68	45	45.45	129
Nov. 5.8	58.72	51	30.84	278	31.67	59	45.65	285	57.461	312	63.44	47	58.13	51	44.16	73
15.8	59.23	56	28.06	241	32.26	66	42.80	246	57.773	342	63.91	94	58.64	56	43.43	12
25.8	59.79	61	25.65	195	32.92	71	40.34	198	58.115	363	64.85	139	59.20	58	43.31	50
Dez. 5.8	60.40	63	23.70	144	33.63	74	38.36	145	58.478	373	66.24	181	59.78	60	43.81	111
15.7	61.03	63	22.26	88	34.37	75	36.91	86	58.851	370	68.05	217	60.38	59	44.92	171
25.7	61.66	62	21.38	28	35.12	74	36.05	24	59.221	357	70.22	247	60.97	57	46.63	224
35.7	62.28		21.10		35.86		35.81		59.578		72.69		61.54		48.87	
Mittl. Ort	56.14		65.78		29.57		81.44		54.974		53.73		56.74		37.74	
sec δ, tg δ	2.347		+2.124		2.895		+2.716		1.172		−0.610		2.170		−1.926	

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	437) ο Leonis				440) 3 Draconis				441) χ Ursae majoris				444) β Leonis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$11^h\ 32^m$		$-0°\ 21'$		$11^h\ 37^m$		$+67°\ 11'$		$11^h\ 41^m$		$+48°\ 13'$		$11^h\ 44^m$		$+15°\ 1'$	
Jan. 0.7	43.329	318	63.12	213	53.80	66	50.86	10	42.156	431	60.63	76	51.033	329	56.97	178
10.7	43.647	292	65.25	199	54.46	61	50.76	51	42.587	403	59.87	21	51.362	307	55.19	149
20.7	43.939	259	67.24	180	55.07	55	51.27	110	42.990	361	59.66	32	51.669	276	53.70	117
30.6	44.198	220	69.04	157	55.62	47	52.37	163	43.351	309	59.98	83	51.945	237	52.53	82
Feb. 9.6	44.418	177	70.61	132	56.09	37	54.00	209	43.660	249	60.81	129	52.182	193	51.71	48
19.6	44.595	133	71.93	104	56.46	26	56.09	245	43.909	184	62.10	168	52.375	148	51.23	14
März 1.5	44.728	89	72.97	78	56.72	15	58.54	269	44.093	119	63.78	197	52.523	102	51.09	16
11.5	44.817	48	73.75	52	56.87	4	61.23	282	44.212	54	65.75	217	52.625	60	51.25	41
21.5	44.865	12	74.27	29	56.91	6	64.05	284	44.266	6	67.92	228	52.685	19	51.66	63
31.5	44.877	20	74.56	8	56.85	16	66.89	273	44.260	61	70.20	228	52.704	14	52.29	79
Apr. 10.4	44.857	46	74.64	10	56.69	25	69.62	252	44.199	106	72.48	218	52.690	43	53.08	90
20.4	44.811	66	74.54	24	56.44	31	72.14	222	44.093	144	74.66	200	52.647	67	53.98	94
30.4	44.745	81	74.30	37	56.13	37	74.36	184	43.949	173	76.66	175	52.580	84	54.92	95
Mai 10.4	44.664	91	73.93	46	55.76	41	76.20	140	43.776	193	78.41	144	52.496	96	55.87	91
20.3	44.573	97	73.47	54	55.35	43	77.60	92	43.583	205	79.85	109	52.400	104	56.78	85
30.3	44.476	100	72.93	58	54.92	44	78.52	42	43.378	210	80.94	70	52.296	108	57.63	75
Juni 9.3	44.376	99	72.35	62	54.48	44	78.94	10	43.168	208	81.64	29	52.188	108	58.38	62
19.2	44.277	95	71.73	64	54.04	42	78.84	61	42.960	201	81.93	12	52.080	105	59.00	49
29.2	44.182	88	71.09	63	53.62	39	78.23	111	42.759	187	81.81	53	51.975	99	59.49	33
Juli 9.2	44.094	79	70.46	60	53.23	36	77.12	158	42.572	169	81.28	93	51.876	90	59.82	17
19.2	44.015	66	69.86	56	52.87	31	75.54	202	42.403	147	80.35	131	51.786	79	59.99	1
29.1	43.949	51	69.30	48	52.56	26	73.52	242	42.256	121	79.04	168	51.707	63	59.98	19
Aug. 8.1	43.898	32	68.82	38	52.30	20	71.10	276	42.135	89	77.36	201	51.644	45	59.79	39
18.1	43.866	10	68.44	25	52.10	12	68.34	305	42.046	54	75.35	230	51.599	22	59.40	60
28.0	43.856	18	68.19	9	51.98	6	65.29	330	41.992	15	73.05	257	51.577	4	58.80	82
Sept. 7.0	43.874	48	68.10	11	51.92	1	61.99	347	41.977	29	70.48	278	51.581	34	57.98	104
17.0	43.922	82	68.21	34	51.93	10	58.52	357	42.006	77	67.70	296	51.615	68	56.94	127
27.0	44.004	119	68.55	59	52.03	19	54.95	362	42.083	127	64.74	309	51.683	106	55.67	149
Okt. 6.9	44.123	158	69.14	86	52.22	27	51.33	358	42.210	181	61.65	315	51.789	146	54.18	171
16.9	44.281	198	70.00	114	52.49	35	47.75	346	42.391	234	58.50	315	51.935	187	52.47	190
26.9	44.479	236	71.14	141	52.84	44	44.29	327	42.625	286	55.35	308	52.122	226	50.57	208
Nov. 5.9	44.715	271	72.55	166	53.28	51	41.02	298	42.911	336	52.27	293	52.348	264	48.49	220
15.8	44.986	299	74.21	188	53.79	58	38.04	260	43.247	378	49.34	270	52.612	296	46.29	228
25.8	45.285	320	76.09	204	54.37	63	35.44	217	43.625	411	46.64	239	52.908	320	44.01	228
Dez. 5.8	45.605	332	78.13	214	55.00	67	33.27	165	44.036	434	44.25	201	53.228	336	41.73	223
15.7	45.937	334	80.27	219	55.67	68	31.62	107	44.470	443	42.24	157	53.564	341	39.50	211
25.7	46.271	325	82.46	216	56.35	67	30.55	47	44.913	437	40.67	106	53.905	335	37.39	190
35.7	46.596		84.62		57.02		30.08		45.350		39.61		54.240		35.49	
Mittl. Ort	41.941		55.60		51.35		75.89		40.409		82.70		49.644		69.90	
sec δ, tg δ	1.000		−0.006		2.581		+2.379		1.501		+1.120		1.036		+0.269	

Mittlere Zeit Greenw.	445) β Virginis AR.		445) β Virginis Dekl.		447) γ Ursae majoris AR.		447) γ Ursae majoris Dekl.		450) ο Virginis AR.		450) ο Virginis Dekl.		452) δ Centauri AR.		452) δ Centauri Dekl.	
1917	$11^h 46^m$		+2° 13′		$11^h 49^m$		+54° 8′		$12^h 0^m$		+9° 11′		$12^h 4^m$		−50° 15′	
Jan. 0.7	23.631 s	324	48.27″	209	30.078 s	478	58.86″	65	60.165 s	330	26.75″	196	4.127 s	448	28.57″	232
10.7	23.955	301	46.18	193	30.556	449	58.21	8	60.495	309	24.79	173	4.575	417	30.89	269
20.7	24.256	271	44.25	171	31.005	406	58.13	49	60.804	281	23.06	145	4.992	375	33.58	297
30.6	24.527	233	42.54	147	31.411	350	58.62	103	61.085	245	21.61	115	5.367	324	36.55	317
Feb. 9.6	24.760	191	41.07	119	31.761	285	59.65	150	61.330	205	20.46	83	5.691	269	39.72	328
19.6	24.951	147	39.88	91	32.046	214	61.15	191	61.535	161	19.63	50	5.960	211	43.00	332
März 1.6	25.098	105	38.97	63	32.260	139	63.06	221	61.696	118	19.13	21	6.171	152	46.32	328
11.5	25.203	64	38.34	37	32.399	66	65.27	241	61.814	77	18.92	7	6.323	96	49.60	317
21.5	25.267	26	37.97	13	32.465	4	67.68	250	61.891	38	18.99	31	6.419	44	52.77	300
31.5	25.293	6	37.84	7	32.461	66	70.18	250	61.929	4	19.30	49	6.463	5	55.77	278
Apr. 10.4	25.287	33	37.91	23	32.395	121	72.68	238	61.933	25	19.79	63	6.458	49	58.55	251
20.4	25.254	55	38.14	37	32.274	166	75.06	217	61.908	48	20.42	74	6.409	87	61.06	220
30.4	25.199	71	38.51	48	32.108	202	77.23	190	61.860	67	21.16	79	6.322	120	63.26	185
Mai 10.4	25.128	84	38.99	55	31.906	228	79.13	155	61.793	82	21.95	81	6.202	148	65.11	146
20.3	25.044	92	39.54	59	31.678	245	80.68	115	61.711	92	22.76	79	6.054	171	66.57	107
30.3	24.952	96	40.13	62	31.433	253	81.83	73	61.619	98	23.55	75	5.883	189	67.64	64
Juni 9.3	24.856	97	40.75	62	31.180	253	82.56	28	61.521	101	24.30	68	5.694	202	68.28	21
19.3	24.759	96	41.37	61	30.927	246	82.84	17	61.420	102	24.98	59	5.492	209	68.49	23
29.2	24.663	91	41.98	58	30.681	232	82.67	61	61.318	99	25.57	49	5.283	209	68.26	65
Juli 9.2	24.572	83	42.56	52	30.449	213	82.06	106	61.219	93	26.06	37	5.074	204	67.61	105
19.2	24.489	73	43.08	45	30.236	189	81.00	147	61.126	84	26.43	24	4.870	190	66.56	142
29.1	24.416	59	43.53	36	30.047	158	79.53	185	61.042	72	26.67	9	4.680	170	65.14	176
Aug. 8.1	24.357	42	43.89	24	29.889	123	77.68	221	60.970	55	26.76	8	4.510	141	63.38	203
18.1	24.315	20	44.13	10	29.766	83	75.47	253	60.915	35	26.68	27	4.369	104	61.35	222
28.1	24.295	6	44.23	8	29.683	39	72.94	279	60.880	11	26.41	47	4.265	59	59.13	235
Sept. 7.0	24.301	36	44.15	27	29.644	11	70.15	302	60.869	19	25.94	68	4.206	6	56.78	238
17.0	24.337	70	43.88	51	29.655	65	67.13	320	60.888	52	25.26	91	4.200	53	54.40	231
27.0	24.407	106	43.37	75	29.720	122	63.93	331	60.940	90	24.35	115	4.253	116	52.09	215
Okt. 7.0	24.513	147	42.62	101	29.842	182	60.62	335	61.030	130	23.20	139	4.369	181	49.94	188
16.9	24.660	187	41.61	128	30.024	243	57.27	332	61.160	171	21.81	162	4.550	246	48.06	153
26.9	24.847	226	40.33	152	30.267	302	53.95	323	61.331	212	20.19	183	4.796	308	46.53	110
Nov. 5.9	25.073	262	38.81	175	30.569	358	50.72	305	61.543	251	18.36	201	5.104	364	45.43	60
15.8	25.335	294	37.06	194	30.927	407	47.67	279	61.794	284	16.35	215	5.468	409	44.83	7
25.8	25.629	317	35.12	209	31.334	446	44.88	244	62.078	311	14.20	222	5.877	443	44.76	48
Dez. 5.8	25.946	332	33.03	218	31.780	473	42.44	201	62.389	329	11.98	223	6.320	463	45.24	104
15.8	26.278	336	30.85	218	32.253	487	40.43	153	62.718	336	9.75	218	6.783	469	46.28	156
25.7	26.614	330	28.67	214	32.740	484	38.90	98	63.054	333	7.57	205	7.252	458	47.84	203
35.7	26.944		26.53		33.224		37.92		63.387		5.52		7.710		49.87	
Mittl. Ort	22.311		56.89		28.302		82.34		58.906		37.98		3.016		36.56	
sec δ, tg δ	1.001		+0.039		1.708		+1.384		1.013		+0.162		1.564		−1.203	

Mittlere Zeit Greenw.	453) ε Corvi AR.		453) ε Corvi Dekl.		454) 4 H. Draconis AR.		454) 4 H. Draconis Dekl.		456) δ Ursae majoris AR.		456) δ Ursae majoris Dekl.		459) β Chamaeleonis AR.		459) β Chamaeleonis Dekl.	
1917	12h 5m		−22° 9′		12h 8m		+78° 3′		12h 11m		+57° 28′		12h 13m		−78° 50′	
Jan. 0.7	52.338	345	29.77	236	22.25	116	71.93	20	21.065	515	72.64	81	27.97	124	52.19	176
10.7	52.683	323	32.13	245	23.41	110	71.73	46	21.580	492	71.83	20	29.21	116	53.95	230
20.7	53.006	293	34.58	249	24.51	102	72.19	109	22.072	453	71.63	39	30.37	105	56.25	277
30.6	53.299	255	37.07	246	25.53	89	73.28	166	22.525	399	72.02	97	31.42	90	59.02	317
Feb. 9.6	53.554	214	39.53	235	26.42	74	74.94	216	22.924	334	72.99	148	32.32	75	62.19	348
19.6	53.768	171	41.88	222	27.16	56	77.10	258	23.258	260	74.47	193	33.07	58	65.67	369
März 1.6	53.939	127	44.10	203	27.72	36	79.68	286	23.518	183	76.40	227	33.65	41	69.36	382
11.5	54.066	86	46.13	181	28.08	16	82.54	303	23.701	104	78.67	252	34.06	24	73.18	385
21.5	54.152	47	47.94	159	28.24	5	85.57	307	23.805	28	81.19	265	34.30	7	77.03	381
31.5	54.199	13	49.53	134	28.19	24	88.64	300	23.833	43	83.84	267	34.37	10	80.84	369
Apr. 10.5	54.212	17	50.87	110	27.95	41	91.64	280	23.790	106	86.51	258	34.27	25	84.53	348
20.4	54.195	42	51.97	85	27.54	56	94.44	251	23.684	161	89.09	240	34.02	40	88.01	322
30.4	54.153	62	52.82	60	26.98	70	96.95	212	23.523	205	91.49	213	33.62	53	91.23	288
Mai 10.4	54.091	80	53.42	35	26.28	79	99.07	167	23.318	241	93.62	178	33.09	65	94.11	248
20.3	54.011	92	53.77	12	25.49	87	100.74	117	23.077	265	95.40	139	32.44	75	96.59	203
30.3	53.919	103	53.89	12	24.62	91	101.91	63	22.812	281	96.79	95	31.69	83	98.62	155
Juni 9.3	53.816	109	53.77	35	23.71	94	102.54	8	22.531	288	97.74	49	30.86	89	100.17	102
19.3	53.707	112	53.42	57	22.77	92	102.62	48	22.243	287	98.23	1	29.97	93	101.19	48
29.2	53.595	112	52.85	76	21.85	89	102.14	101	21.956	278	98.24	46	29.04	94	101.67	8
Juli 9.2	53.483	108	52.09	94	20.96	84	101.13	153	21.678	263	97.78	93	28.10	92	101.59	63
19.2	53.375	101	51.15	108	20.12	77	99.60	202	21.415	240	96.85	138	27.18	87	100.96	116
29.2	53.274	89	50.07	119	19.35	68	97.58	246	21.175	212	95.47	180	26.31	79	99.80	166
Aug. 8.1	53.185	71	48.88	125	18.67	58	95.12	284	20.963	177	93.67	219	25.52	69	98.14	210
18.1	53.114	49	47.63	127	18.09	45	92.28	318	20.786	136	91.48	254	24.83	55	96.04	247
28.1	53.065	22	46.36	122	17.64	32	89.10	344	20.650	90	88.94	284	24.28	38	93.57	277
Sept. 7.0	53.043	12	45.14	112	17.32	18	85.66	365	20.560	37	86.10	309	23.90	20	90.80	296
17.0	53.055	50	44.02	96	17.14	3	82.01	377	20.523	20	83.01	330	23.70	0	87.84	303
27.0	53.105	93	43.06	73	17.11	12	78.24	383	20.543	83	79.71	343	23.70	21	84.81	300
Okt. 7.0	53.198	137	42.33	45	17.23	29	74.41	380	20.626	148	76.28	350	23.91	43	81.81	284
16.9	53.335	183	41.88	11	17.52	45	70.61	370	20.774	216	72.78	350	24.34	63	78.97	257
26.9	53.518	228	41.77	25	17.97	61	66.91	349	20.990	282	69.28	342	24.97	82	76.40	218
Nov. 5.9	53.746	269	42.02	64	18.58	76	63.42	320	21.272	347	65.86	324	25.79	99	74.22	170
15.9	54.015	304	42.66	103	19.34	89	60.22	282	21.619	405	62.62	298	26.78	113	72.52	114
25.8	54.319	332	43.69	139	20.23	101	57.40	236	22.024	454	59.64	264	27.91	123	71.38	53
Dez. 5.8	54.651	349	45.08	173	21.24	110	55.04	182	22.478	490	57.00	221	29.14	128	70.85	10
15.8	55.000	355	46.81	202	22.34	114	53.22	122	22.968	512	54.79	170	30.42	130	70.95	75
25.7	55.355	351	48.83	223	23.48	117	52.00	59	23.480	517	53.09	116	31.72	128	71.70	137
35.7	55.706		51.06		24.65		51.41		23.997		51.93		33.00		73.07	
Mittl. Ort	51.194		29.41		19.61		98.72		19.511		97.23		27.01		65.10	
sec δ, tg δ	1.080		−0.407		4.841		+4.736		1.861		+1.569		5.172		−5.074	

Mittlere Zeit Greenw.	460) η Virginis				462) α Crucis med.				466) 20 Comae				465) δ Corvi			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$12^h\ 15^m$		−0° 12′		$12^h\ 21^m$		−62° 38′		$12^h\ 25^m$		+21° 20′		$12^h\ 25^m$		−16° 3′	
Jan. 0.7	40.678	330	28.42	213	59.50	60	11.90	195	34.314	347	64.40	182	35.092	342	15.10	224
10.7	41.008	313	30.55	201	60.10	56	13.85	242	34.661	332	62.58	146	35.434	325	17.34	228
20.7	41.321	286	32.56	182	60.66	51	16.27	281	34.993	307	61.12	108	35.759	298	19.62	227
30.7	41.607	253	34.38	159	61.17	45	19.08	313	35.300	274	60.04	67	36.057	265	21.89	219
Feb. 9.6	41.860	214	35.97	132	61.62	37	22.21	336	35.574	234	59.37	26	36.322	228	24.08	205
19.6	42.074	174	37.29	105	61.99	31	25.57	350	35.808	191	59.11	— 12	36.550	186	26.13	188
März 1.6	42.248	132	38.34	77	62.30	23	29.07	355	35.999	147	59.23	48	36.736	146	28.01	167
11.6	42.380	92	39.11	51	62.53	16	32.62	354	36.146	103	59.71	79	36.882	105	29.68	145
21.5	42.472	55	39.62	26	62.69	8	36.16	345	36.249	61	60.50	103	36.987	68	31.13	122
31.5	42.527	22	39.88	4	62.77	1	39.61	328	36.310	24	61.53	121	37.055	35	32.35	99
Apr. 10.5	42.549	— 7	39.92	— 14	62.78	— 5	42.89	306	36.334	— 10	62.74	132	37.090	4	33.34	77
20.4	42.542	32	39.78	30	62.73	11	45.95	277	36.324	38	64.06	136	37.094	— 21	34.11	55
30.4	42.510	52	39.48	41	62.62	16	48.72	244	36.286	62	65.42	135	37.073	43	34.66	34
Mai 10.4	42.458	67	39.07	51	62.46	21	51.16	205	36.224	80	66.77	128	37.030	62	35.00	15
20.4	42.391	79	38.56	58	62.25	24	53.21	164	36.144	95	68.05	116	36.968	76	35.15	— 5
30.3	42.312	89	37.98	61	62.01	28	54.85	118	36.049	106	69.21	101	36.892	89	35.10	22
Juni 9.3	42.223	95	37.37	64	61.73	31	56.03	71	35.943	113	70.22	83	36.803	97	34.88	38
19.3	42.128	98	36.73	64	61.42	33	56.74	21	35.830	117	71.05	62	36.706	103	34.50	54
29.2	42.030	98	36.09	62	61.09	33	56.95	— 28	35.713	116	71.67	40	36.603	107	33.96	67
Juli 9.2	41.932	95	35.47	59	60.76	33	56.67	76	35.597	114	72.07	16	36.496	106	33.29	78
19.2	41.837	90	34.88	53	60.43	31	55.91	123	35.483	108	72.23	— 9	36.390	102	32.51	88
29.2	41.747	79	34.35	45	60.12	29	54.68	165	35.375	97	72.14	33	36.288	93	31.63	94
Aug. 8.1	41.668	66	33.90	35	59.83	26	53.03	202	35.278	83	71.81	59	36.195	80	30.69	96
18.1	41.602	48	33.55	22	59.57	20	51.01	233	35.195	63	71.22	85	36.115	61	29.73	95
28.1	41.554	22	33.33	6	59.37	13	48.68	256	35.132	40	70.37	110	36.054	36	28.78	89
Sept. 7.1	41.532	— 6	33.27	— 12	59.24	7	46.12	268	35.092	10	69.27	136	36.018	6	27.89	77
17.0	41.538	38	33.39	34	59.17	— 2	43.44	271	35.082	— 24	67.91	161	36.012	— 29	27.12	60
27.0	41.576	77	33.73	57	59.19	10	40.73	263	35.106	62	66.30	184	36.041	70	26.52	39
Okt. 7.0	41.653	117	34.30	84	59.29	20	38.10	244	35.168	104	64.46	206	36.111	114	26.13	12
16.9	41.770	159	35.14	110	59.49	28	35.66	214	35.272	149	62.40	225	36.225	158	26.01	— 18
26.9	41.929	202	36.24	137	59.77	38	33.52	175	35.421	193	60.15	240	36.383	204	26.19	50
Nov. 5.9	42.131	242	37.61	162	60.15	45	31.77	127	35.614	236	57.75	249	36.587	246	26.69	85
15.9	42.373	276	39.23	183	60.60	52	30.50	72	35.850	274	55.26	254	36.833	284	27.54	118
25.8	42.649	304	41.06	201	61.12	57	29.78	15	36.124	307	52.72	251	37.117	313	28.72	149
Dez. 5.8	42.953	325	43.07	212	61.69	60	29.63	— 45	36.431	331	50.21	241	37.430	334	30.21	177
15.8	43.278	334	45.19	218	62.29	62	30.08	105	36.762	345	47.80	223	37.764	345	31.98	199
25.8	43.612	333	47.37	215	62.91	60	31.13	160	37.107	348	45.57	198	38.109	345	33.97	215
35.7	43.945		49.52		63.51		32.73		37.455		43.59		38.454		36.12	
Mittl. Ort	39.537		20.30		58.56		22.52		33.174		80.01		34.045		12.50	
sec δ, tg δ	1.000		−0.004		2.176		−1.933		1.074		+0.391		1.041		−0.288	

Mittlere Zeit Greenw.	470) 8 Canum ven. AR.		Dekl.		472) κ Draconis AR.		Dekl.		471) β Corvi AR.		Dekl.		473) 24 Comae sq. AR.		Dekl.	
1917	12h 29m		+41° 47′		12h 29m		+70° 13′		12h 30m		−22° 56′		12h 30m		+18° 49′	
Jan. 0.7	49.468	403	68.22	141	58.37	75	77.56	70	2.424	354	16.73	222	59.162	344	46.92	189
10.7	49.871	388	66.81	88	59.12	73	76.86	5	2.778	337	18.95	235	59.506	330	45.03	155
20.7	50.259	360	65.93	35	59.85	68	76.81	60	3.115	310	21.30	240	59.836	306	43.48	119
30.7	50.619	323	65.58	19	60.53	61	77.41	121	3.425	276	23.70	239	60.142	274	42.29	81
Feb. 9.6	50.942	277	65.77	70	61.14	52	78.62	176	3.701	238	26.09	231	60.416	236	41.48	40
19.6	51.219	225	66.47	116	61.66	42	80.38	223	3.939	197	28.40	219	60.652	194	41.08	2
März 1.6	51.444	170	67.63	155	62.08	30	82.61	259	4.136	154	30.59	202	60.846	151	41.06	33
11.6	51.614	114	69.18	186	62.38	18	85.20	285	4.290	114	32.61	184	60.997	108	41.39	64
21.5	51.728	61	71.04	208	62.56	6	88.05	298	4.404	75	34.45	162	61.105	67	42.03	89
31.5	51.789	11	73.12	220	62.62	7	91.03	299	4.479	41	36.07	139	61.172	31	42.92	108
Apr. 10.5	51.800	34	75.32	223	62.55	17	94.02	288	4.520	9	37.46	116	61.203	3	44.00	121
20.4	51.766	73	77.55	216	62.38	26	96.90	267	4.529	18	38.62	93	61.200	31	45.21	127
30.4	51.693	105	79.71	202	62.12	35	99.57	236	4.511	42	39.55	69	61.169	54	46.48	128
Mai 10.4	51.588	131	81.73	180	61.77	42	101.93	198	4.469	62	40.24	45	61.115	73	47.76	123
20.4	51.457	152	83.53	152	61.35	47	103.91	153	4.407	78	40.69	22	61.042	89	48.99	113
30.3	51.305	166	85.05	121	60.88	51	105.44	104	4.329	92	40.91	1	60.953	100	50.12	101
Juni 9.3	51.139	175	86.26	86	60.37	52	106.48	52	4.237	103	40.90	23	60.853	108	51.13	85
19.3	50.964	179	87.12	47	59.85	53	107.00	1	4.134	111	40.67	44	60.745	112	51.98	66
29.3	50.785	178	87.59	9	59.32	53	106.99	54	4.023	114	40.23	64	60.633	114	52.64	46
Juli 9.2	50.607	173	87.68	30	58.79	50	106.45	106	3.909	115	39.59	82	60.519	112	53.10	24
19.2	50.434	163	87.38	70	58.29	48	105.39	155	3.794	112	38.77	97	60.407	107	53.34	2
29.2	50.271	148	86.68	107	57.81	43	103.84	202	3.682	104	37.80	110	60.300	98	53.36	22
Aug. 8.1	50.123	128	85.61	144	57.38	37	101.82	244	3.578	89	36.70	119	60.202	85	53.14	46
18.1	49.995	104	84.17	178	57.01	31	99.38	282	3.489	70	35.51	122	60.117	66	52.68	71
28.1	49.891	74	82.39	210	56.70	24	96.56	314	3.419	44	34.29	120	60.051	43	51.97	96
Sept. 7.1	49.817	37	80.29	239	56.46	16	93.42	341	3.375	13	33.09	114	60.008	15	51.01	120
17.0	49.780	4	77.90	263	56.30	6	90.01	360	3.362	25	31.95	99	59.993	19	49.81	146
27.0	49.784	50	75.27	285	56.24	3	86.41	373	3.387	68	30.96	80	60.012	57	48.35	169
Okt. 7.0	49.834	100	72.42	302	56.27	13	82.68	378	3.455	113	30.16	54	60.069	98	46.66	192
17.0	49.934	152	69.40	311	56.40	24	78.90	375	3.568	161	29.62	24	60.167	142	44.74	213
26.9	50.086	205	66.29	314	56.64	34	75.15	363	3.729	208	29.38	11	60.309	187	42.61	229
Nov. 5.9	50.291	257	63.15	311	56.98	44	71.52	341	3.937	252	29.49	48	60.496	230	40.32	241
15.9	50.548	304	60.04	299	57.42	54	68.11	311	4.189	292	29.97	85	60.726	269	37.91	247
25.8	50.852	343	57.05	278	57.96	62	65.00	272	4.481	324	30.82	122	60.995	301	35.44	248
Dez. 5.8	51.195	375	54.27	250	58.58	68	62.28	224	4.805	345	32.04	156	61.296	326	32.96	240
15.8	51.570	395	51.77	212	59.26	72	60.04	169	5.150	357	33.60	186	61.622	340	30.56	226
25.8	51.965	401	49.65	169	59.98	75	58.35	107	5.507	356	35.46	209	61.962	345	28.30	203
35.7	52.366		47.96		60.73		57.28		5.863		37.55		62.307		26.27	
Mittl. Ort	48.284		89.78		56.88		104.13		1.416		16.47		58.067		61.76	
sec δ, tg δ	1.342		+0.894		2.959		+2.784		1.086		−0.423		1.057		+0.341	

Mittlere Zeit Greenw.	474) α Muscae				476) γ Centauri				478) 76 Ursae maj.				481) β Crucis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$12^h\ 32^m$		$-68°\ 40'$		$12^h\ 36^m$		$-48°\ 30'$		$12^h\ 37^m$		$+63°\ 9'$		$12^h\ 42^m$		$-59°\ 13'$	
Jan. 0.7	14.02	73	30.88	170	56.781	453	7.50	197	57.92	59	41.10	98	52.441	559	57.00	173
10.7	14.75	70	32.58	222	57.234	432	9.47	235	58.51	58	40.12	35	53.000	534	58.73	220
20.7	15.45	64	34.80	266	57.666	398	11.82	266	59.09	54	39.77	29	53.534	495	60.93	260
30.7	16.09	56	37.46	303	58.064	356	14.48	288	59.63	49	40.06	90	54.029	445	63.53	291
Feb. 9.6	16.65	49	40.49	332	58.420	308	17.36	303	60.12	42	40.96	146	54.474	386	66.44	314
19.6	17.14	40	43.81	351	58.728	255	20.39	309	60.54	34	42.42	196	54.860	322	69.58	330
März 1.6	17.54	30	47.32	362	58.983	202	23.48	310	60.88	25	44.38	236	55.182	257	72.88	338
11.6	17.84	21	50.94	364	59.185	149	26.58	303	61.13	17	46.74	265	55.439	190	76.26	337
21.5	18.05	12	54.58	360	59.334	98	29.61	291	61.30	8	49.39	282	55.629	125	79.63	331
31.5	18.17	4	58.18	348	59.432	50	32.52	273	61.38	2	52.21	288	55.754	63	82.94	317
Apr. 10.5	18.21	5	61.66	328	59.482	7	35.25	251	61.36	9	55.09	282	55.817	5	86.11	297
20.4	18.16	13	64.94	303	59.489	34	37.76	225	61.27	16	57.91	267	55.822	50	89.08	273
30.4	18.03	20	67.97	271	59.455	70	40.01	194	61.11	23	60.58	241	55.772	100	91.81	242
Mai 10.4	17.83	26	70.68	234	59.385	103	41.95	161	60.88	28	62.99	207	55.672	145	94.23	208
20.4	17.57	32	73.02	193	59.282	131	43.56	125	60.60	31	65.06	167	55.527	185	96.31	170
30.3	17.25	37	74.95	147	59.151	154	44.81	87	60.29	35	66.73	121	55.342	220	98.01	127
Juni 9.3	16.88	40	76.42	98	58.997	174	45.68	47	59.94	36	67.94	74	55.122	249	99.28	83
19.3	16.48	43	77.40	47	58.823	189	46.15	6	59.58	37	68.68	24	54.873	271	100.11	37
29.3	16.05	45	77.87	5	58.634	198	46.21	35	59.21	37	68.92	28	54.602	284	100.48	10
Juli 9.2	15.60	44	77.82	56	58.436	200	45.86	74	58.84	36	68.64	78	54.318	288	100.38	57
19.2	15.16	43	77.26	106	58.236	196	45.12	111	58.48	34	67.86	127	54.030	284	99.81	102
29.2	14.73	40	76.20	153	58.040	183	44.01	146	58.14	31	66.59	172	53.746	267	98.79	144
Aug. 8.1	14.33	36	74.67	195	57.857	163	42.55	175	57.83	28	64.87	216	53.479	240	97.35	181
18.1	13.97	29	72.72	231	57.694	133	40.80	198	57.55	23	62.71	255	53.239	201	95.54	213
28.1	13.68	22	70.41	258	57.561	95	38.82	214	57.32	18	60.16	288	53.038	150	93.41	237
Sept. 7.1	13.46	12	67.83	276	57.466	48	36.68	223	57.14	12	57.28	318	52.888	89	91.04	253
17.0	13.34	2	65.07	285	57.418	6	34.45	222	57.02	5	54.10	341	52.799	17	88.51	258
27.0	13.32	9	62.22	281	57.424	67	32.23	212	56.97	2	50.69	358	52.782	62	85.93	254
Okt. 7.0	13.41	21	59.41	267	57.491	131	30.11	191	56.99	9	47.11	368	52.844	145	83.39	238
17.0	13.62	33	56.74	241	57.622	198	28.20	163	57.08	18	43.43	368	52.989	230	81.01	212
26.9	13.95	43	54.33	204	57.820	262	26.57	126	57.26	26	39.75	362	53.219	313	78.89	177
Nov. 5.9	14.38	53	52.29	159	58.082	322	25.31	81	57.52	34	36.13	346	53.532	388	77.12	134
15.9	14.91	62	50.70	106	58.404	373	24.50	33	57.86	42	32.67	321	53.920	454	75.78	83
25.8	15.53	69	49.64	47	58.777	414	24.17	19	58.28	48	29.46	286	54.374	507	74.95	28
Dez. 5.8	16.22	73	49.17	13	59.191	443	24.36	71	58.76	53	26.60	243	54.881	544	74.67	29
15.8	16.95	75	49.30	74	59.634	458	25.07	122	59.29	57	24.17	192	55.425	563	74.96	86
25.8	17.70	74	50.04	134	60.092	458	26.29	169	59.86	58	22.25	134	55.988	564	75.82	140
35.7	18.44		51.38		60.550		27.98		60.44		20.91		56.552		77.22	
Mittl. Ort	13.23		42.47		55.887		14.90		56.70		66.92		51.654		66.82	
sec δ, tg δ	2.750		−2.562		1.509		−1.130		2.215		+1.977		1.955		−1.680	

Mittlere Zeit Greenw.	482) *n* Centauri				483) ε Ursae majoris				484) δ Virginis				485) 12 Can. ven. sq.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	12h 48m		−39° 43′		12h 50m		+56° 23′		12h 51m		+3° 50′		12h 52m		+38° 45′	
Jan. 0.8	50.850	410	35.22	196	23.932	501	71.61	129	26.249	334	43.64	210	9.834	390	38.00	167
10.7	51.260	393	37.18	226	24.433	493	70.32	69	26.583	324	41.54	193	10.224	381	36.33	117
20.7	51.653	366	39.44	250	24.926	467	69.63	6	26.907	303	39.61	171	10.605	360	35.16	65
30.7	52.019	331	41.94	266	25.393	426	69.57	54	27.210	275	37.90	145	10.965	328	34.51	11
Feb. 9.6	52.350	290	44.60	274	25.819	372	70.11	112	27.485	242	36.45	115	11.293	288	34.40	41
19.6	52.640	245	47.34	277	26.191	310	71.23	164	27.727	204	35.30	85	11.581	242	34.81	90
März 1.6	52.885	198	50.11	272	26.501	240	72.87	207	27.931	166	34.45	54	11.823	191	35.71	132
11.6	53.083	153	52.83	263	26.741	167	74.94	239	28.097	127	33.91	25	12.014	140	37.03	167
21.5	53.236	108	55.46	249	26.908	95	77.33	262	28.224	89	33.66	2	12.154	90	38.70	193
31.5	53.344	67	57.95	230	27.003	25	79.95	274	28.313	56	33.68	24	12.244	42	40.63	211
Apr. 10.5	53.411	30	60.25	209	27.028	41	82.69	274	28.369	25	33.92	42	12.286	2	42.74	218
20.5	53.441	6	62.34	185	26.987	99	85.43	264	28.394	2	34.34	57	12.284	40	44.92	217
30.4	53.435	38	64.19	157	26.888	150	88.07	244	28.392	26	34.91	67	12.244	74	47.09	208
Mai 10.4	53.397	65	65.76	129	26.738	192	90.51	216	28.366	46	35.58	74	12.170	102	49.17	191
20.4	53.332	90	67.05	97	26.546	227	92.67	181	28.320	62	36.32	76	12.068	125	51.08	167
30.3	53.242	112	68.02	65	26.319	254	94.48	141	28.258	77	37.08	77	11.943	143	52.75	139
Juni 9.3	53.130	130	68.67	31	26.065	271	95.89	96	28.181	89	37.85	74	11.800	157	54.14	107
19.3	53.000	145	68.98	3	25.794	282	96.85	50	28.092	97	38.59	70	11.643	165	55.21	72
29.3	52.855	155	68.95	37	25.512	285	97.35	2	27.995	103	39.29	63	11.478	169	55.93	34
Juli 9.2	52.700	159	68.58	69	25.227	281	97.37	46	27.892	105	39.92	55	11.309	169	56.27	4
19.2	52.541	159	67.89	100	24.946	270	96.91	94	27.787	105	40.47	45	11.140	164	56.23	42
29.2	52.382	151	66.89	127	24.676	252	95.97	139	27.682	100	40.92	33	10.976	154	55.81	80
Aug. 8.2	52.231	137	65.62	151	24.424	226	94.58	182	27.582	91	41.25	19	10.822	140	55.01	118
18.1	52.094	115	64.11	169	24.198	195	92.76	222	27.491	76	41.44	4	10.682	119	53.83	152
28.1	51.979	85	62.42	181	24.003	155	90.54	259	27.415	56	41.48	14	10.563	93	52.31	186
Sept. 7.1	51.894	46	60.61	186	23.848	108	87.95	290	27.359	30	41.34	34	10.470	61	50.45	217
17.0	51.848	2	58.75	183	23.740	55	85.05	316	27.329	1	41.00	56	10.409	23	48.28	245
27.0	51.846	50	56.92	171	23.685	4	81.89	337	27.330	38	40.44	80	10.386	22	45.83	270
Okt. 7.0	51.896	106	55.21	152	23.689	69	78.52	351	27.368	80	39.64	104	10.408	69	43.13	289
17.0	52.002	164	53.69	124	23.758	137	75.01	358	27.448	123	38.60	129	10.477	120	40.24	303
26.9	52.166	221	52.45	89	23.895	207	71.43	358	27.571	167	37.31	154	10.597	174	37.21	312
Nov. 5.9	52.387	275	51.56	49	24.102	276	67.85	347	27.738	211	35.77	176	10.771	226	34.09	313
15.9	52.662	324	51.07	4	24.378	341	64.38	328	27.949	251	34.01	195	10.997	274	30.96	306
25.9	52.986	363	51.03	42	24.719	398	61.10	300	28.200	285	32.06	209	11.271	317	27.90	290
Dez. 5.8	53.349	391	51.45	88	25.117	444	58.10	262	28.485	310	29.97	218	11.588	352	25.00	266
15.8	53.740	408	52.33	132	25.561	477	55.48	216	28.795	327	27.79	220	11.940	375	22.34	234
25.8	54.148	411	53.65	172	26.038	496	53.32	163	29.122	333	25.59	214	12.315	385	20.00	193
35.7	54.559		55.37		26.534		51.69		29.455		23.45		12.700		18.07	
Mittl. Ort	49.996		40.13		22.931		96.42		25.314		53.48		8.869		58.92	
sec δ, tg δ	1.300		−0.831		1.807		+1.506		1.002		+0.067		1.282		+0.803	

Obere Kulmination Greenwich

Mittlere Zeit Greenw.	486) 8 Draconis AR.		486) 8 Draconis Dekl.		488) ε Virginis AR.		488) ε Virginis Dekl.		490) ϑ Virginis AR.		490) ϑ Virginis Dekl.		492) 43 Comae AR.		492) 43 Comae Dekl.	
1917	$12^h\ 52^m$		+65° 52′		$12^h\ 58^m$		+11° 23′		$13^h\ 5^m$		−5° 5′		$13^h\ 8^m$		+28° 17′	
Jan. 0.8	11.53	64	52.52	110	3.617	338	65.47	206	39.888	338	53.13	210	0.928	358	36.89	192
10.7	12.17	63	51.42	46	3.955	328	63.41	181	40.226	329	55.23	204	1.286	351	34.97	151
20.7	12.80	59	50.96	$\overline{20}$	4.283	309	61.60	152	40.555	310	57.27	192	1.637	335	33.46	106
30.7	13.39	55	51.16	83	4.592	283	60.08	118	40.865	285	59.19	174	1.972	308	32.40	59
Feb. 9.6	13.94	48	51.99	142	4.875	250	58.90	83	41.150	253	60.93	152	2.280	274	31.81	10
19.6	14.42	40	53.41	194	5.125	212	58.07	46	41.403	218	62.45	128	2.554	235	31.71	$\overline{36}$
März 1.6	14.82	30	55.35	236	5.337	173	57.61	12	41.621	180	63.73	102	2.789	192	32.07	77
11.6	15.12	21	57.71	267	5.510	133	57.49	$\overline{19}$	41.801	143	64.75	76	2.981	148	32.84	114
21.5	15.33	11	60.38	288	5.643	96	57.68	47	41.944	108	65.51	51	3.129	104	33.98	144
31.5	15.44	1	63.26	296	5.739	60	58.15	71	42.052	74	66.02	29	3.233	64	35.42	166
Apr. 10.5	15.45	$\overline{8}$	66.22	293	5.799	28	58.86	87	42.126	43	66.31	8	3.297	26	37.08	180
20.5	15.37	17	69.15	279	5.827	0	59.73	98	42.169	16	66.39	$\overline{9}$	3.323	$\overline{8}$	38.88	185
30.4	15.20	23	71.94	254	5.827	25	60.71	105	42.185	$\overline{9}$	66.30	24	3.315	38	40.73	183
Mai 10.4	14.97	30	74.48	221	5.802	47	61.76	107	42.176	31	66.06	35	3.277	64	42.56	175
20.4	14.67	35	76.69	182	5.755	65	62.83	104	42.145	49	65.71	45	3.213	87	44.31	161
30.3	14.32	38	78.51	137	5.690	80	63.87	98	42.096	66	65.26	52	3.126	104	45.92	141
Juni 9.3	13.94	41	79.88	88	5.610	92	64.85	89	42.030	80	64.74	58	3.022	119	47.33	117
19.3	13.53	42	80.76	37	5.518	101	65.74	77	41.950	91	64.16	61	2.903	131	48.50	90
29.3	13.11	43	81.13	$\overline{15}$	5.417	108	66.51	64	41.859	100	63.55	63	2.772	138	49.40	62
Juli 9.2	12.68	42	80.98	67	5.309	112	67.15	47	41.759	106	62.92	62	2.634	141	50.02	31
19.2	12.26	40	80.31	117	5.197	111	67.62	30	41.653	108	62.30	61	2.493	142	50.33	$\overline{1}$
29.2	11.86	38	79.14	165	5.086	106	67.92	12	41.545	105	61.69	58	2.351	137	50.32	33
Aug. 8.2	11.48	34	77.49	210	4.980	98	68.04	$\overline{8}$	41.440	98	61.11	51	2.214	127	49.99	65
18.1	11.14	29	75.39	251	4.882	84	67.96	29	41.342	86	60.60	42	2.087	112	49.34	97
28.1	10.85	24	72.88	288	4.798	64	67.67	51	41.256	66	60.18	31	1.975	92	48.37	129
Sept. 7.1	10.61	18	70.00	318	4.734	39	67.16	75	41.190	41	59.87	15	1.883	64	47.08	158
17.0	10.43	10	66.82	343	4.695	7	66.41	99	41.149	10	59.72	$\overline{2}$	1.819	30	45.50	187
27.0	10.33	2	63.39	361	4.688	$\overline{29}$	65.42	124	41.139	$\overline{27}$	59.74	24	1.789	$\overline{8}$	43.63	213
Okt. 7.0	10.31	$\overline{6}$	59.78	373	4.717	70	64.18	148	41.166	68	59.98	48	1.797	51	41.50	237
17.0	10.37	15	56.05	376	4.787	115	62.70	171	41.234	114	60.46	74	1.848	99	39.13	256
26.9	10.52	24	52.29	370	4.902	160	60.99	193	41.348	160	61.20	101	1.947	149	36.57	271
Nov. 5.9	10.76	33	48.59	356	5.062	204	59.06	212	41.508	204	62.21	128	2.096	197	33.86	281
15.9	11.09	42	45.03	331	5.266	245	56.94	225	41.712	246	63.49	153	2.293	243	31.05	283
25.9	11.51	49	41.72	298	5.511	281	54.69	233	41.958	281	65.02	174	2.536	283	28.22	277
Dez. 5.8	12.00	56	38.74	255	5.792	309	52.36	234	42.239	309	66.76	192	2.819	317	25.45	264
15.8	12.56	60	36.19	204	6.101	326	50.02	228	42.548	327	68.68	203	3.136	340	22.81	242
25.8	13.16	62	34.15	146	6.427	335	47.74	216	42.875	335	70.71	208	3.476	352	20.39	212
35.7	13.78		32.69		6.762		45.58		43.210		72.79		3.828		18.27	
Mittl. Ort	10.55		78.74		2.715		77.97		39.048		46.40		0.095		54.86	
sec δ, tg δ	2.448		+2.234		1.020		+0.202		1.004		−0.089		1.136		+0.538	

Mittlere Zeit Greenw.	495) γ Hydrae AR.		495) γ Hydrae Dekl.		496) ι Centauri AR.		496) ι Centauri Dekl.		497) ζ Ursae maj. pr. AR.		497) ζ Ursae maj. pr. Dekl.		498) α Virginis AR.		498) α Virginis Dekl.	
1917	$13^h\ 14^m$		$-22°\ 44'$		$13^h\ 15^m$		$-36°\ 16'$		$13^h\ 20^m$		$+55°\ 20'$		$13^h\ 20^m$		$-10°\ 43'$	
Jan. 0.8	25.123 s	360	3.27 ″	194	56.212 s	399	25.92 ″	174	35.790 s	483	66.18 ″	165	49.831 s	343	47.33 ″	202
10.7	25.483	352	5.21	208	56.611	390	27.66	203	36.273	484	64.53	106	50.174	336	49.35	204
20.7	25.835	334	7.29	216	57.001	369	29.69	224	36.757	468	63.47	44	50.510	319	51.39	198
30.7	26.169	307	9.45	217	57.370	340	31.93	239	37.225	438	63.03	20	50.829	296	53.37	186
Feb. 9.7	26.476	275	11.62	211	57.710	305	34.32	247	37.663	394	63.23	81	51.125	267	55.23	170
19.6	26.751	239	13.73	202	58.015	266	36.79	249	38.057	340	64.04	137	51.392	232	56.93	150
März 1.6	26.990	201	15.75	188	58.281	224	39.28	246	38.397	278	65.41	185	51.624	197	58.43	129
11.6	27.191	163	17.63	172	58.505	181	41.74	237	38.675	212	67.26	225	51.821	160	59.72	105
21.6	27.354	126	19.35	153	58.686	140	44.11	225	38.887	142	69.51	255	51.981	125	60.77	83
31.5	27.480	91	20.88	134	58.826	101	46.36	209	39.029	75	72.06	273	52.106	92	61.60	60
Apr. 10.5	27.571	59	22.22	113	58.927	65	48.45	190	39.104	11	74.79	281	52.198	61	62.20	41
20.5	27.630	28	23.35	93	58.992	29	50.35	169	39.115	49	77.60	277	52.259	32	62.61	22
30.4	27.658	2	24.28	73	59.021	3	52.04	146	39.066	103	80.37	263	52.291	7	62.83	5
Mai 10.4	27.660	23	25.01	52	59.018	32	53.50	121	38.963	150	83.00	241	52.298	17	62.88	9
20.4	27.637	46	25.53	32	58.986	59	54.71	95	38.813	191	85.41	211	52.281	38	62.79	22
30.4	27.591	66	25.85	12	58.927	84	55.66	66	38.622	224	87.52	174	52.243	57	62.57	33
Juni 9.3	27.525	83	25.97	7	58.843	105	56.32	38	38.398	250	89.26	132	52.186	74	62.24	42
19.3	27.442	99	25.90	26	58.738	124	56.70	8	38.148	268	90.58	88	52.112	88	61.82	50
29.3	27.343	111	25.64	44	58.614	139	56.78	21	37.880	280	91.46	40	52.024	100	61.32	57
Juli 9.3	27.232	119	25.20	61	58.475	149	56.57	51	37.600	285	91.86	8	51.924	109	60.75	62
19.2	27.113	123	24.59	76	58.326	154	56.06	78	37.315	283	91.78	56	51.815	113	60.13	66
29.2	26.990	123	23.83	89	58.172	153	55.28	104	37.032	272	91.22	104	51.702	113	59.47	67
Aug. 8.2	26.867	116	22.94	99	58.019	144	54.24	126	36.760	255	90.18	149	51.589	108	58.80	66
18.1	26.751	102	21.95	106	57.875	128	52.98	144	36.505	231	88.69	192	51.481	97	58.14	63
28.1	26.649	82	20.89	107	57.747	104	51.54	156	36.274	197	86.77	232	51.384	80	57.51	55
Sept. 7.1	26.567	54	19.82	104	57.643	71	49.98	163	36.077	156	84.45	269	51.304	55	56.96	44
17.1	26.513	20	18.78	95	57.572	31	48.35	162	35.921	108	81.76	299	51.249	24	56.52	30
27.0	26.493	20	17.83	81	57.541	16	46.73	153	35.813	52	78.77	325	51.225	13	56.22	11
Okt. 7.0	26.513	67	17.02	61	57.557	70	45.20	138	35.761	11	75.52	345	51.238	55	56.11	11
17.0	26.580	116	16.41	35	57.627	127	43.82	114	35.772	79	72.07	358	51.293	102	56.22	37
27.0	26.696	166	16.06	5	57.754	183	42.68	84	35.851	149	68.49	362	51.395	149	56.59	64
Nov. 5.9	26.862	215	16.01	27	57.937	238	41.84	48	36.000	220	64.87	359	51.544	195	57.23	93
15.9	27.077	260	16.28	62	58.175	289	41.36	8	36.220	287	61.28	345	51.739	239	58.16	120
25.9	27.337	299	16.90	96	58.464	332	41.28	34	36.507	350	57.83	322	51.978	277	59.36	146
Dez. 5.8	27.636	329	17.86	128	58.796	365	41.62	75	36.857	403	54.61	290	52.255	307	60.82	168
15.8	27.965	349	19.14	157	59.161	387	42.37	115	37.260	444	51.71	248	52.562	328	62.50	186
25.8	28.314	357	20.71	180	59.548	396	43.52	153	37.704	471	49.23	198	52.890	338	64.36	196
35.8	28.671		22.51		59.944		45.05		38.175		47.25		53.228		66.32	
Mittl. Ort	24.360		2.61		55.503		29.54		35.193		90.64		49.083		42.51	
sec δ, tg δ	1.084		−0.419		1.240		−0.734		1.759		+1.447		1.018		−0.189	

Mittlere Zeit Greenw.	499) Gr. 2001 AR.		499) Dekl.		500) 69 H. Urs. maj. AR.		500) Dekl.		501) ζ Virginis AR.		501) Dekl.		502) 17 H. Can. ven. AR.		502) Dekl.	
1917	13h 23m		+72° 48′		13h 25m		+60° 21′		13h 30m		−0° 10′		13h 31m		+37° 35′	
Jan. 0.8	61.10	82	53.45	135	24.92	53	61.89	161	28.454	335	27.71	208	6.145	379	65.68	201
10.8	61.92	82	52.10	69	25.45	54	60.28	100	28.789	330	29.79	197	6.524	380	63.67	153
20.7	62.74	81	51.41	2	25.99	53	59.28	35	29.119	317	31.76	180	6.904	368	62.14	100
30.7	63.55	76	51.39	65	26.52	49	58.93	29	29.436	295	33.56	157	7.272	345	61.14	45
Feb. 9.7	64.31	69	52.04	127	27.01	44	59.22	92	29.731	268	35.13	132	7.617	313	60.69	9
19.6	65.00	60	53.31	184	27.45	39	60.14	149	29.999	235	36.45	103	7.930	274	60.78	62
März 1.6	65.60	48	55.15	232	27.84	32	61.63	199	30.234	200	37.48	74	8.204	230	61.40	110
11.6	66.08	35	57.47	269	28.16	24	63.62	239	30.434	165	38.22	45	8.434	183	62.50	151
21.6	66.43	22	60.16	294	28.40	16	66.01	268	30.599	130	38.67	19	8.617	136	64.01	184
31.5	66.65	9	63.10	309	28.56	8	68.69	287	30.729	96	38.86	5	8.753	90	65.85	208
Apr. 10.5	66.74	5	66.19	311	28.64	1	71.56	293	30.825	66	38.81	25	8.843	46	67.93	223
20.5	66.69	17	69.30	301	28.65	6	74.49	289	30.891	37	38.56	42	8.889	6	70.16	229
30.5	66.52	28	72.31	280	28.59	13	77.38	274	30.928	11	38.14	55	8.895	31	72.45	225
Mai 10.4	66.24	38	75.11	250	28.46	19	80.12	250	30.939	13	37.59	63	8.864	64	74.70	214
20.4	65.86	47	77.61	212	28.27	23	82.62	217	30.926	35	36.96	70	8.800	92	76.84	196
30.4	65.39	54	79.73	169	28.04	27	84.79	179	30.891	54	36.26	72	8.708	117	78.80	171
Juni 9.3	64.85	59	81.42	119	27.77	31	86.58	136	30.837	71	35.54	73	8.591	138	80.51	141
19.3	64.26	63	82.61	68	27.46	32	87.94	88	30.766	86	34.81	71	8.453	154	81.92	108
29.3	63.63	64	83.29	14	27.14	34	88.82	39	30.680	99	34.10	68	8.299	166	83.00	72
Juli 9.3	62.99	65	83.43	40	26.80	35	89.21	12	30.581	108	33.42	62	8.133	174	83.72	34
19.2	62.34	64	83.03	93	26.45	35	89.09	62	30.473	113	32.80	55	7.959	177	84.06	6
29.2	61.70	62	82.10	144	26.10	33	88.47	112	30.360	115	32.25	46	7.782	174	84.00	45
Aug. 8.2	61.08	58	80.66	192	25.77	31	87.35	158	30.245	111	31.79	36	7.608	167	83.55	83
18.2	60.50	52	78.74	237	25.46	29	85.77	203	30.134	102	31.43	23	7.441	153	82.72	122
28.1	59.98	46	76.37	277	25.17	24	83.74	244	30.032	86	31.20	8	7.288	133	81.50	158
Sept. 7.1	59.52	37	73.60	312	24.93	20	81.30	280	29.946	64	31.12	9	7.155	104	79.92	193
17.1	59.15	28	70.48	341	24.73	15	78.50	311	29.882	35	31.21	29	7.051	70	77.99	225
27.0	58.87	18	67.07	363	24.58	8	75.39	338	29.847	1	31.50	51	6.981	30	75.74	254
Okt. 7.0	58.69	6	63.44	379	24.50	1	72.01	357	29.848	41	32.01	74	6.951	18	73.20	278
17.0	58.63	6	59.65	385	24.49	7	68.44	368	29.889	86	32.75	99	6.969	69	70.42	298
27.0	58.69	19	55.80	383	24.56	14	64.76	372	29.975	133	33.74	125	7.038	123	67.44	312
Nov. 5.9	58.88	32	51.97	371	24.70	23	61.04	367	30.108	179	34.99	148	7.161	178	64.32	319
15.9	59.20	44	48.26	351	24.93	30	57.37	351	30.287	223	36.47	171	7.339	231	61.13	318
25.9	59.64	55	44.75	319	25.23	38	53.86	327	30.510	261	38.18	188	7.570	278	57.95	308
Dez. 5.9	60.19	65	41.56	278	25.61	43	50.59	292	30.771	293	40.06	201	7.848	319	54.87	290
15.8	60.84	73	38.78	229	26.04	49	47.67	247	31.064	316	42.07	209	8.167	350	51.97	261
25.8	61.57	79	36.49	171	26.53	52	45.20	195	31.380	328	44.16	209	8.517	370	49.36	225
35.8	62.36		34.78		27.05		43.25		31.708		46.25		8.887		47.11	
Mittl. Ort	60.97		80.11		24.46		87.11		27.753		19.19		5.530		86.08	
sec δ, tg δ	3.386		+3.235		2.023		+1.758		1.000		−0.003		1.262		+0.770	

Mittlere Zeit Greenw.	504) ε Centauri AR.		Dekl.		507) τ Bootis AR.		Dekl.		509) η Ursae majoris AR.		Dekl.		510) 89 Virginis AR.		Dekl.	
	13h 34m		−53° 2′		13h 43m		+17° 51′		13h 44m		+49° 42′		13h 45m		−1° 43′	
1917	s		″		s		″		s		″		s		″	
Jan. 0.8	37.593	506	33.91	120	19.675	337	57.25	214	16.709	429	74.62	199	22.129	350	18.71	182
10.8	38.099	498	35.11	163	20.012	336	55.11	186	17.138	436	72.63	143	22.479	348	20.53	192
20.7	38.597	479	36.74	201	20.348	327	53.25	151	17.574	428	71.20	83	22.827	336	22.45	194
30.7	39.076	448	38.75	233	20.675	308	51.74	111	18.002	407	70.37	21	23.163	315	24.39	191
Feb. 9.7	39.524	408	41.08	257	20.983	281	50.63	69	18.409	373	70.16	40	23.478	289	26.30	183
19.7	39.932	361	43.65	275	21.264	250	49.94	26	18.782	330	70.56	98	23.767	258	28.13	170
März 1.6	40.293	311	46.40	287	21.514	215	49.68	14	19.112	279	71.54	150	24.025	224	29.83	154
11.6	40.604	260	49.27	291	21.729	177	49.82	52	19.391	224	73.04	195	24.249	189	31.37	136
21.6	40.864	207	52.18	290	21.906	140	50.34	84	19.615	167	74.99	230	24.438	155	32.73	117
31.5	41.071	155	55.08	283	22.046	104	51.18	111	19.782	109	77.29	254	24.593	121	33.90	97
Apr. 10.5	41.226	105	57.91	271	22.150	70	52.29	131	19.891	53	79.83	269	24.714	90	34.87	78
20.5	41.331	56	60.62	255	22.220	37	53.60	144	19.944	0	82.52	273	24.804	60	35.65	61
30.5	41.387	9	63.17	232	22.257	8	55.04	150	19.944	48	85.25	266	24.864	32	36.26	43
Mai 10.4	41.396	35	65.49	207	22.265	18	56.54	151	19.896	92	87.91	251	24.896	5	36.69	27
20.4	41.361	78	67.56	178	22.247	42	58.05	146	19.804	132	90.42	226	24.901	19	36.96	12
30.4	41.283	116	69.34	145	22.205	65	59.51	136	19.672	165	92.68	195	24.882	42	37.08	3
Juni 9.4	41.167	152	70.79	109	22.140	83	60.87	121	19.507	193	94.63	160	24.840	63	37.05	17
19.3	41.015	182	71.88	70	22.057	100	62.08	104	19.314	215	96.23	119	24.777	83	36.88	30
29.3	40.833	208	72.58	29	21.957	114	63.12	84	19.099	232	97.42	76	24.694	99	36.58	41
Juli 9.3	40.625	227	72.87	11	21.843	124	63.96	62	18.867	243	98.18	30	24.595	112	36.17	53
19.2	40.398	237	72.76	52	21.719	131	64.58	37	18.624	247	98.48	16	24.483	121	35.64	62
29.2	40.161	238	72.24	93	21.588	134	64.95	12	18.377	245	98.32	63	24.362	126	35.02	71
Aug. 8.2	39.923	230	71.31	129	21.454	130	65.07	14	18.132	237	97.69	108	24.236	124	34.31	77
18.2	39.693	210	70.02	161	21.324	122	64.93	41	17.895	220	96.61	152	24.112	117	33.54	79
28.1	39.483	178	68.41	189	21.202	107	64.52	69	17.675	196	95.09	193	23.995	101	32.75	79
Sept. 7.1	39.305	136	66.52	210	21.095	86	63.83	96	17.479	164	93.16	232	23.894	79	31.96	75
17.1	39.169	83	64.42	223	21.009	57	62.87	124	17.315	123	90.84	266	23.815	48	31.21	65
27.1	39.086	19	62.19	226	20.952	22	61.63	152	17.192	76	88.18	296	23.767	11	30.56	52
Okt. 7.0	39.067	51	59.93	220	20.930	18	60.11	177	17.116	20	85.22	321	23.756	33	30.04	34
17.0	39.118	126	57.73	205	20.948	63	58.34	201	17.096	40	82.01	340	23.789	80	29.70	11
27.0	39.244	202	55.68	180	21.011	112	56.33	223	17.136	103	78.61	351	23.869	130	29.59	15
Nov. 5.9	39.446	276	53.88	146	21.123	160	54.10	240	17.239	169	75.10	354	23.999	180	29.74	43
15.9	39.722	344	52.42	106	21.283	206	51.70	252	17.408	233	71.56	348	24.179	227	30.17	73
25.9	40.066	403	51.36	60	21.489	248	49.18	258	17.641	293	68.08	332	24.406	269	30.90	102
Dez. 5.9	40.469	449	50.76	11	21.737	284	46.60	255	17.934	344	64.76	307	24.675	304	31.92	130
15.8	40.918	482	50.65	39	22.021	312	44.05	246	18.278	386	61.69	272	24.979	328	33.22	153
25.8	41.400	499	51.04	88	22.333	328	41.59	229	18.664	415	58.97	228	25.307	343	34.75	171
35.8	41.899		51.92		22.661		39.30		19.079		56.69		25.650		36.46	
Mittl. Ort	37.126		41.73		19.075		71.78		16.333		97.60		21.523		16.16	
sec δ, tg δ	1.663		−1.329		1.051		+0.322		1.547		+1.180		1.050		−0.319	

Mittlere Zeit Greenw.	512) ζ Centauri AR.		512) ζ Centauri Dekl.		513) η Bootis AR.		513) η Bootis Dekl.		517) 11 Bootis AR.		517) 11 Bootis Dekl.		516) τ Virginis AR.		516) τ Virginis Dekl.	
1917	$13^h\ 50^m$		$-46°\ 52'$		$13^h\ 50^m$		$+18°\ 48'$		$13^h\ 57^m$		$+27°\ 46'$		$13^h\ 57^m$		$+1°\ 56'$	
Jan. 0.8	21.630	457	43.21	115	44.513	337	33.14	220	25.176	347	55.79	222	25.819	330	35.06	207
10.8	22.087	453	44.36	154	44.850	338	30.94	189	25.523	351	53.57	184	26.149	331	32.99	194
20.8	22.540	439	45.90	187	45.188	330	29.05	153	25.874	345	51.73	140	26.480	322	31.05	176
30.7	22.979	415	47.77	213	45.518	312	27.52	112	26.219	328	50.33	92	26.802	306	29.29	152
Feb. 9.7	23.394	382	49.90	235	45.830	287	26.40	69	26.547	303	49.41	41	27.108	283	27.77	124
19.7	23.776	344	52.25	250	46.117	256	25.71	26	26.850	272	49.00	9	27.391	253	26.53	93
März 1.6	24.120	301	54.75	257	46.373	222	25.45	16	27.122	236	49.09	55	27.644	222	25.60	62
11.6	24.421	256	57.32	260	46.595	185	25.61	54	27.358	198	49.64	97	27.866	190	24.98	32
21.6	24.677	211	59.92	258	46.780	148	26.15	88	27.556	158	50.61	134	28.056	155	24.66	4
31.6	24.888	166	62.50	251	46.928	112	27.03	116	27.714	119	51.95	163	28.211	123	24.62	22
Apr. 10.5	25.054	122	65.01	239	47.040	78	28.19	136	27.833	80	53.58	183	28.334	92	24.84	42
20.5	25.176	80	67.40	223	47.118	45	29.55	149	27.913	45	55.41	195	28.426	62	25.26	59
30.5	25.256	38	69.63	205	47.163	15	31.04	156	27.958	12	57.36	200	28.488	35	25.85	72
Mai 10.5	25.294	2	71.68	182	47.178	12	32.60	157	27.970	19	59.36	197	28.523	9	26.57	80
20.4	25.292	39	73.50	157	47.166	38	34.17	152	27.951	47	61.33	187	28.532	15	27.37	85
30.4	25.253	76	75.07	128	47.128	60	35.69	141	27.904	73	63.20	171	28.517	38	28.22	86
Juni 9.4	25.177	109	76.35	97	47.068	80	37.10	127	27.831	95	64.91	150	28.479	58	29.08	84
19.3	25.068	138	77.32	63	46.988	99	38.37	109	27.736	115	66.41	125	28.421	77	29.92	81
29.3	24.930	164	77.95	28	46.889	113	39.46	87	27.621	132	67.66	96	28.344	94	30.73	74
Juli 9.3	24.766	185	78.23	8	46.776	125	40.33	64	27.489	144	68.62	66	28.250	107	31.47	66
19.3	24.581	198	78.15	43	46.651	133	40.97	39	27.345	153	69.28	33	28.143	117	32.13	56
29.2	24.383	204	77.72	79	46.518	137	41.36	13	27.192	156	69.61	0	28.026	122	32.69	45
Aug. 8.2	24.179	201	76.93	111	46.381	134	41.49	15	27.036	155	69.61	35	27.904	123	33.14	32
18.2	23.978	188	75.82	140	46.247	127	41.34	42	26.881	148	69.26	68	27.781	118	33.46	18
28.2	23.790	165	74.42	165	46.120	114	40.92	71	26.733	133	68.58	103	27.663	105	33.64	1
Sept. 7.1	23.625	131	72.77	184	46.006	92	40.21	99	26.600	111	67.55	135	27.558	85	33.65	17
17.1	23.494	86	70.93	194	45.914	65	39.22	128	26.489	83	66.20	168	27.473	59	33.48	37
27.1	23.408	32	68.99	198	45.849	30	37.94	155	26.406	47	64.52	198	27.414	26	33.11	60
Okt. 7.0	23.376	28	67.01	192	45.819	11	36.39	182	26.359	5	62.54	225	27.388	14	32.51	83
17.0	23.404	95	65.09	178	45.830	56	34.57	206	26.354	42	60.29	250	27.402	58	31.68	107
27.0	23.499	163	63.31	156	45.886	103	32.51	228	26.396	93	57.79	269	27.460	106	30.61	131
Nov. 6.0	23.662	231	61.75	125	45.989	153	30.23	245	26.489	144	55.10	284	27.566	153	29.30	155
15.9	23.893	294	60.50	88	46.142	200	27.78	257	26.633	194	52.26	292	27.719	199	27.75	176
25.9	24.187	349	59.62	47	46.342	244	25.21	262	26.827	241	49.34	292	27.918	241	25.99	192
Dez. 5.9	24.536	395	59.15	2	46.586	280	22.59	261	27.068	282	46.42	283	28.159	276	24.07	204
15.8	24.931	428	59.13	43	46.866	309	19.98	250	27.350	314	43.59	266	28.435	304	22.03	210
25.8	25.359	447	59.56	88	47.175	327	17.48	233	27.664	335	40.93	241	28.739	321	19.93	209
35.8	25.806		60.44		47.502		15.15		27.999		38.52		29.060		17.84	
Mittl. Ort	21.194		49.28		43.965		47.87		24.717		73.11		25.273		44.24	
sec δ, tg δ	1.463		−1.068		1.056		+0.341		1.130		+0.527		1.001		+0.034	

Mittlere Zeit Greenw.	518) β Centauri AR.		518) β Centauri Dekl.		520) ϑ Centauri AR.		520) ϑ Centauri Dekl.		521) α Draconis AR.		521) α Draconis Dekl.		522) d Bootis AR.		522) d Bootis Dekl.	
1917	13h 57m		−59° 58′		14h 1m		−35° 57′		14h 2m		+64° 45′		14h 6m		+25° 28′	
Jan. 0.8	57.401	587	15.07	71	47.953	397	41.11	132	8.20	57	55.24	196	37.262	340	47.07	226
10.8	57.988	588	15.78	119	48.350	397	42.43	160	8.77	59	53.28	135	37.602	345	44.81	191
20.8	58.576	573	16.97	163	48.747	386	44.03	183	9.36	60	51.93	69	37.947	341	42.90	149
30.7	59.149	545	18.60	202	49.133	367	45.86	200	9.96	58	51.24	1	38.288	326	41.41	102
Feb. 9.7	59.694	506	20.62	235	49.500	341	47.86	211	10.54	54	51.23	64	38.614	304	40.39	54
19.7	60.200	458	22.97	262	49.841	308	49.97	216	11.08	48	51.87	126	38.918	275	39.85	5
März 1.7	60.658	404	25.59	280	50.149	272	52.13	217	11.56	41	53.13	182	39.193	240	39.80	42
11.6	61.062	347	28.39	293	50.421	235	54.30	213	11.97	34	54.95	229	39.433	204	40.22	84
21.6	61.409	287	31.32	300	50.656	197	56.43	205	12.31	25	57.24	266	39.637	166	41.06	121
31.6	61.696	226	34.32	300	50.853	160	58.48	195	12.56	17	59.90	291	39.803	128	42.27	150
Apr. 10.5	61.922	165	37.32	294	51.013	123	60.43	181	12.73	7	62.81	306	39.931	92	43.77	173
20.5	62.087	105	40.26	283	51.136	87	62.24	165	12.80	1	65.87	308	40.023	56	45.50	187
30.5	62.192	46	43.09	266	51.223	53	63.89	148	12.79	9	68.95	299	40.079	24	47.37	193
Mai 10.5	62.238	13	45.75	245	51.276	19	65.37	129	12.70	17	71.94	281	40.103	7	49.30	192
20.4	62.225	68	48.20	218	51.295	12	66.66	107	12.53	24	74.75	253	40.096	36	51.22	185
30.4	62.157	121	50.38	186	51.283	43	67.73	85	12.29	29	77.28	217	40.060	61	53.07	171
Juni 9.4	62.036	170	52.24	152	51.240	73	68.58	60	12.00	34	79.45	176	39.999	85	54.78	151
19.3	61.866	215	53.76	112	51.167	98	69.18	35	11.66	38	81.21	130	39.914	106	56.29	128
29.3	61.651	251	54.88	70	51.069	122	69.53	9	11.28	42	82.51	80	39.808	123	57.57	102
Juli 9.3	61.400	281	55.58	26	50.947	142	69.62	18	10.86	43	83.31	29	39.685	138	58.59	73
19.3	61.119	301	55.84	18	50.805	155	69.44	44	10.43	43	83.60	23	39.547	148	59.32	43
29.2	60.818	309	55.66	63	50.650	164	69.00	69	10.00	44	83.37	75	39.399	154	59.75	10
Aug. 8.2	60.509	305	55.03	107	50.486	165	68.31	93	9.56	43	82.62	126	39.245	154	59.85	22
18.2	60.204	287	53.96	146	50.321	157	67.38	113	9.13	40	81.36	174	39.091	148	59.63	55
28.2	59.917	254	52.50	181	50.164	140	66.25	130	8.73	37	79.62	219	38.943	136	59.08	89
Sept. 7.1	59.663	207	50.69	210	50.024	114	64.95	141	8.36	32	77.43	260	38.807	115	58.19	121
17.1	59.456	147	48.59	232	49.910	79	63.54	146	8.04	26	74.83	297	38.692	89	56.98	153
27.1	59.309	74	46.27	244	49.831	36	62.08	144	7.78	19	71.86	328	38.603	54	55.45	183
Okt. 7.1	59.235	8	43.83	247	49.795	15	60.64	136	7.59	12	68.58	352	38.549	13	53.62	211
17.0	59.243	97	41.36	239	49.810	71	59.28	121	7.47	3	65.06	370	38.536	34	51.51	236
27.0	59.340	189	38.97	221	49.881	131	58.07	98	7.44	6	61.36	379	38.570	83	49.15	258
Nov. 6.0	59.529	280	36.76	193	50.012	189	57.09	69	7.50	16	57.57	379	38.653	134	46.57	274
15.9	59.809	363	34.83	157	50.201	245	56.40	37	7.66	25	53.78	370	38.787	185	43.83	283
25.9	60.172	438	33.26	114	50.446	295	56.03	0	7.91	34	50.08	349	38.972	231	41.00	286
Dez. 5.9	60.610	500	32.12	66	50.741	336	56.03	38	8.25	42	46.59	319	39.203	272	38.14	281
15.9	61.110	546	31.46	14	51.077	367	56.41	75	8.67	49	43.40	279	39.475	305	35.33	266
25.8	61.656	574	31.32	37	51.444	387	57.16	110	9.16	54	40.61	229	39.780	328	32.67	243
35.8	62.230		31.69		51.831		58.26		9.70		38.32		40.108		30.24	
Mittl. Ort	57.221		23.87		47.497		44.07		8.47		80.17		36.855		63.57	
sec δ, tg δ	1.998		−1.730		1.235		−0.725		2.346		+2.122		1.108		+0.477	

Mittlere Zeit Greenw.	523) κ Virginis AR.		Dekl.		524) 4 Ursae minoris AR.		Dekl.		525) ι Virginis AR.		Dekl.		526) α Bootis AR.		Dekl.	
1917	14h 8m		−9° 53′		14h 9m		+77° 55′		14h 11m		−5° 36′		14h 11m		+19° 36′	
Jan. 0.8	28.435	336	21.85	185	7.11	102	49.43	180	40.056	330	24.83	194	52.912	329	35.75	230
10.8	28.771	338	23.70	186	8.13	109	47.63	117	40.386	334	26.77	189	53.241	335	33.45	201
20.8	29.109	330	25.56	180	9.22	110	46.46	50	40.720	328	28.66	180	53.576	330	31.44	164
30.7	29.439	315	27.36	169	10.32	109	45.96	18	41.048	312	30.46	164	53.906	317	29.80	123
Feb. 9.7	29.754	293	29.05	154	11.41	102	46.14	85	41.360	291	32.10	144	54.223	296	28.57	79
19.7	30.047	266	30.59	134	12.43	93	46.99	146	41.651	266	33.54	120	54.519	268	27.78	34
März 1.7	30.313	236	31.93	112	13.36	80	48.45	202	41.917	235	34.74	94	54.787	236	27.44	10
11.6	30.549	204	33.05	89	14.16	65	50.47	248	42.152	203	35.68	69	55.023	202	27.54	50
21.6	30.753	171	33.94	67	14.81	47	52.95	282	42.355	172	36.37	45	55.225	167	28.04	86
31.6	30.924	140	34.61	45	15.28	28	55.77	306	42.527	141	36.82	21	55.392	131	28.90	115
Apr. 10.5	31.064	109	35.06	26	15.56	10	58.83	318	42.668	109	37.03	1	55.523	96	30.05	138
20.5	31.173	80	35.32	9	15.66	9	62.01	317	42.777	81	37.04	16	55.619	64	31.43	154
30.5	31.253	52	35.41	7	15.57	26	65.18	306	42.858	52	36.88	31	55.683	33	32.97	163
Mai 10.5	31.305	25	35.34	19	15.31	42	68.24	283	42.910	26	36.57	42	55.716	4	34.60	164
20.4	31.330	0	35.15	30	14.89	58	71.07	253	42.936	1	36.15	50	55.720	24	36.24	160
30.4	31.330	25	34.85	38	14.31	70	73.60	214	42.937	24	35.65	56	55.696	50	37.84	151
Juni 9.4	31.305	48	34.47	44	13.61	81	75.74	170	42.913	47	35.09	60	55.646	73	39.35	136
19.4	31.257	69	34.03	50	12.80	89	77.44	120	42.866	68	34.49	61	55.573	93	40.71	117
29.3	31.188	89	33.53	54	11.91	95	78.64	69	42.798	87	33.88	62	55.480	112	41.88	96
Juli 9.3	31.099	104	32.99	57	10.96	99	79.33	15	42.711	104	33.26	60	55.368	128	42.84	72
19.3	30.995	117	32.42	59	9.97	101	79.48	40	42.607	116	32.66	57	55.240	139	43.56	46
29.2	30.878	125	31.83	58	8.96	101	79.08	93	42.491	124	32.09	53	55.101	145	44.02	18
Aug. 8.2	30.753	127	31.25	57	7.95	97	78.15	143	42.367	127	31.56	48	54.956	148	44.20	11
18.2	30.626	123	30.68	53	6.98	92	76.72	193	42.240	124	31.08	39	54.808	143	44.09	39
28.2	30.503	112	30.15	46	6.06	84	74.79	237	42.116	114	30.69	29	54.665	131	43.70	68
Sept. 7.1	30.391	93	29.69	37	5.22	75	72.42	277	42.002	95	30.40	17	54.534	113	43.02	99
17.1	30.298	67	29.32	25	4.47	63	69.65	313	41.907	69	30.23	2	54.421	87	42.03	128
27.1	30.231	33	29.07	9	3.84	51	66.52	342	41.838	37	30.21	17	54.334	55	40.75	157
Okt. 7.1	30.198	8	28.98	11	3.33	35	63.10	364	41.801	3	30.38	37	54.279	14	39.18	185
17.0	30.206	53	29.09	32	2.98	18	59.46	378	41.804	48	30.75	59	54.265	30	37.33	210
27.0	30.259	101	29.41	57	2.80	0	55.68	384	41.852	96	31.34	84	54.295	78	35.23	233
Nov. 6.0	30.360	151	29.98	82	2.80	18	51.84	381	41.948	144	32.18	109	54.373	128	32.90	251
15.9	30.511	198	30.80	108	2.98	36	48.03	368	42.092	192	33.27	132	54.501	178	30.39	264
25.9	30.709	242	31.88	131	3.34	54	44.35	345	42.284	235	34.59	153	54.679	223	27.75	271
Dez. 5.9	30.951	279	33.19	152	3.88	70	40.90	310	42.519	272	36.12	171	54.902	263	25.04	270
15.9	31.230	307	34.71	168	4.58	85	37.80	267	42.791	301	37.83	183	55.165	294	22.34	261
25.8	31.537	326	36.39	179	5.43	97	35.13	215	43.092	321	39.66	191	55.459	318	19.73	244
35.8	31.863		38.18		6.40		32.98		43.413		41.57		55.777		17.29	
Mittl. Ort	27.942		16.62		8.99		75.17		39.580		18.19		52.507		50.43	
sec δ, tg δ	1.015		−0.174		4.785		+4.680		1.005		−0.098		1.062		+0.356	

Mittlere Zeit Greenw.	527) λ Bootis AR.		527) λ Bootis Dekl.		531) ϑ Bootis AR.		531) ϑ Bootis Dekl.		534) ρ Bootis AR.		534) ρ Bootis Dekl.		535) γ Bootis AR.		535) γ Bootis Dekl.	
1917	$14^h\ 13^m$		+46° 27′		$14^h\ 22^m$		+52° 13′		$14^h\ 28^m$		+30° 43′		$14^h\ 28^m$		+38° 39′	
Jan. 0.8	13.893	395	46.64	227	22.201	421	39.83	233	15.404	340	49.24	238	44.292	358	55.42	241
10.8	14.288	409	44.37	176	22.622	441	37.50	178	15.744	350	46.86	200	44.650	371	53.01	196
20.8	14.697	409	42.61	118	23.063	445	35.72	119	16.094	351	44.86	154	45.021	374	51.05	145
30.7	15.106	396	41.43	57	23.508	434	34.53	55	16.445	341	43.32	103	45.395	364	49.60	88
Feb. 9.7	15.502	372	40.86	4	23.942	411	33.98	9	16.786	322	42.29	51	45.759	344	48.72	30
19.7	15.874	337	40.90	64	24.353	376	34.07	72	17.108	296	41.78	2	46.103	317	48.42	27
März 1.7	16.211	295	41.54	119	24.729	331	34.79	129	17.404	264	41.80	54	46.420	283	48.69	82
11.6	16.506	248	42.73	168	25.060	280	36.08	180	17.668	228	42.34	101	46.703	243	49.51	131
21.6	16.754	197	44.41	209	25.340	225	37.88	223	17.896	191	43.35	141	46.946	201	50.82	174
31.6	16.951	146	46.50	240	25.565	167	40.11	255	18.087	152	44.76	174	47.147	157	52.56	208
Apr. 10.6	17.097	95	48.90	261	25.732	108	42.66	277	18.239	113	46.50	199	47.304	114	54.64	233
20.5	17.192	45	51.51	272	25.840	50	45.43	287	18.352	76	48.49	216	47.418	72	56.97	248
30.5	17.237	3	54.23	271	25.890	4	48.30	287	18.428	40	50.65	223	47.490	30	59.45	253
Mai 10.5	17.234	46	56.94	262	25.886	56	51.17	278	18.468	6	52.88	222	47.520	8	61.98	249
20.4	17.188	87	59.56	245	25.830	103	53.95	259	18.474	27	55.10	214	47.512	45	64.47	238
30.4	17.101	123	62.01	220	25.727	146	56.54	232	18.447	57	57.24	199	47.467	78	66.85	219
Juni 9.4	16.978	155	64.21	187	25.581	184	58.86	199	18.390	85	59.23	178	47.389	109	69.04	192
19.4	16.823	182	66.08	151	25.397	217	60.85	160	18.305	109	61.01	153	47.280	136	70.96	162
29.3	16.641	205	67.59	111	25.180	244	62.45	117	18.196	132	62.54	123	47.144	160	72.58	128
Juli 9.3	16.436	222	68.70	68	24.936	264	63.62	71	18.064	150	63.77	90	46.984	179	73.86	89
19.3	16.214	233	69.38	23	24.672	279	64.33	24	17.914	164	64.67	55	46.805	194	74.75	49
29.3	15.981	239	69.61	23	24.393	285	64.57	25	17.750	173	65.22	19	46.611	202	75.24	7
Aug. 8.2	15.742	237	69.38	68	24.108	284	64.32	73	17.577	176	65.41	18	46.409	205	75.31	34
18.2	15.505	228	68.70	113	23.824	275	63.59	120	17.401	174	65.23	55	46.204	201	74.97	76
28.2	15.277	210	67.57	156	23.549	257	62.39	165	17.227	164	64.68	93	46.003	189	74.21	118
Sept. 7.1	15.067	185	66.01	197	23.292	229	60.74	208	17.063	145	63.75	129	45.814	169	73.03	157
17.1	14.882	151	64.04	235	23.063	192	58.66	248	16.918	119	62.46	164	45.645	141	71.46	195
27.1	14.731	108	61.69	268	22.871	146	56.18	283	16.799	86	60.82	197	45.504	104	69.51	230
Okt. 7.1	14.623	58	59.01	298	22.725	92	53.35	313	16.713	45	58.85	227	45.400	60	67.21	261
17.0	14.565	2	56.03	321	22.633	30	50.22	337	16.668	3	56.58	254	45.340	10	64.60	287
27.0	14.563	59	52.82	339	22.603	37	46.85	354	16.671	54	54.04	277	45.330	45	61.73	309
Nov. 6.0	14.622	123	49.43	348	22.640	108	43.31	363	16.725	107	51.27	294	45.375	103	58.64	323
16.0	14.745	186	45.95	348	22.748	177	39.68	363	16.832	161	48.33	303	45.478	161	55.41	330
25.9	14.931	246	42.47	340	22.925	245	36.05	353	16.993	212	45.30	305	45.639	217	52.11	328
Dez. 5.9	15.177	299	39.07	321	23.170	307	32.52	333	17.205	258	42.25	299	45.856	266	48.83	316
15.9	15.476	344	35.86	292	23.477	359	29.19	301	17.463	295	39.26	282	46.122	307	45.67	295
25.8	15.820	379	32.94	254	23.836	400	26.18	261	17.758	324	36.44	257	46.429	341	42.72	263
35.8	16.199		30.40		24.236		23.57		18.082		33.87		46.770		40.09	
Mittl. Ort	13.772		68.20		22.304		62.17		15.196		66.66		44.186		74.76	
sec δ, tg δ	1.452		+1.053		1.633		+1.291		1.163		+0.595		1.281		+0.800	

Mittlere Zeit Greenw.	537) η Centauri				538) α Centauri*)				543) ζ Bootis m.				542) α Apodis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	14h 30m		−41° 47′		14h 33m		−60° 29′		14h 37m		+14° 4′		14h 37m		−78° 41′	
Jan. 0.8	14.054	418	34.22	84	57.67	58	22.81	28	11.358	318	48.63	225	27.33	131	27.77	41
10.8	14.472	425	35.06	117	58.25	59	23.09	76	11.676	327	46.38	201	28.64	136	27.36	16
20.8	14.897	421	36.23	146	58.84	59	23.85	120	12.003	327	44.37	171	30.00	137	27.52	72
30.8	15.318	407	37.69	170	59.43	56	25.05	160	12.330	319	42.66	136	31.37	134	28.24	124
Feb. 9.7	15.725	385	39.39	189	59.99	54	26.65	196	12.649	301	41.30	96	32.71	128	29.48	172
19.7	16.110	356	41.28	202	60.53	49	28.61	224	12.950	279	40.34	54	33.99	121	31.20	216
März 1.7	16.466	322	43.30	209	61.02	45	30.85	248	13.229	252	39.80	13	35.20	110	33.36	252
11.6	16.788	286	45.39	213	61.47	39	33.33	264	13.481	222	39.67	26	36.30	98	35.88	283
21.6	17.074	248	47.52	212	61.86	33	35.97	275	13.703	190	39.93	62	37.28	84	38.71	306
31.6	17.322	210	49.64	208	62.19	28	38.72	280	13.893	158	40.55	92	38.12	70	41.77	323
Apr. 10.6	17.532	171	51.72	199	62.47	21	41.52	279	14.051	126	41.47	117	38.82	54	45.00	333
20.5	17.703	132	53.71	189	62.68	15	44.31	273	14.177	94	42.64	136	39.36	38	48.33	336
30.5	17.835	93	55.60	176	62.83	9	47.04	263	14.271	64	44.00	148	39.74	21	51.69	331
Mai 10.5	17.928	55	57.36	160	62.92	3	49.67	246	14.335	35	45.48	153	39.95	5	55.00	320
20.5	17.983	17	58.96	141	62.95	3	52.13	224	14.370	6	47.01	153	40.00	12	58.20	301
30.4	18.000	21	60.37	119	62.92	9	54.37	198	14.376	21	48.54	148	39.88	29	61.21	276
Juni 9.4	17.979	56	61.56	96	62.83	15	56.35	168	14.355	47	50.02	138	39.59	43	63.97	245
19.4	17.923	90	62.52	71	62.68	20	58.03	133	14.308	71	51.40	125	39.16	57	66.42	206
29.3	17.833	122	63.23	42	62.48	24	59.36	95	14.237	93	52.65	107	38.59	70	68.48	162
Juli 9.3	17.711	148	63.65	13	62.24	29	60.31	54	14.144	112	53.72	88	37.89	80	70.10	114
19.3	17.563	170	63.78	17	61.95	31	60.85	10	14.032	128	54.60	67	37.09	87	71.24	63
29.3	17.393	185	63.61	46	61.64	33	60.95	33	13.904	139	55.27	44	36.22	92	71.87	9
Aug. 8.2	17.208	191	63.15	75	61.31	33	60.62	76	13.765	146	55.71	19	35.30	93	71.96	46
18.2	17.017	188	62.40	102	60.98	33	59.86	118	13.619	145	55.90	6	34.37	90	71.50	99
28.2	16.829	176	61.38	126	60.65	30	58.68	157	13.474	138	55.84	33	33.47	84	70.51	150
Sept. 7.2	16.653	152	60.12	144	60.35	26	57.11	189	13.336	123	55.51	60	32.63	74	69.01	197
17.1	16.501	117	58.68	158	60.09	21	55.22	215	13.213	101	54.91	88	31.89	61	67.04	236
27.1	16.384	74	57.10	165	59.88	14	53.07	234	13.112	71	54.03	114	31.28	44	64.68	268
Okt. 7.1	16.310	20	55.45	163	59.74	5	50.73	243	13.041	33	52.89	142	30.84	24	62.00	289
17.0	16.290	40	53.82	156	59.69	3	48.30	242	13.008	10	51.47	168	30.60	3	59.11	299
27.0	16.330	103	52.26	140	59.72	12	45.88	232	13.018	57	49.79	192	30.57	19	56.12	298
Nov. 6.0	16.433	168	50.86	116	59.84	22	43.56	211	13.075	107	47.87	214	30.76	41	53.14	284
16.0	16.601	231	49.70	88	60.06	32	41.45	181	13.182	157	45.73	231	31.17	64	50.30	260
25.9	16.832	288	48.82	53	60.38	39	39.64	144	13.339	203	43.42	241	31.81	84	47.70	226
Dez. 5.9	17.120	338	48.29	16	60.77	46	38.20	101	13.542	244	41.01	247	32.65	101	45.44	182
15.9	17.458	376	48.13	22	61.23	52	37.19	54	13.786	278	38.54	244	33.66	115	43.62	132
25.9	17.834	404	48.35	60	61.75	56	36.65	5	14.064	304	36.10	233	34.81	126	42.30	77
35.8	18.238		48.95		62.31		36.60		14.368		33.77		36.07		41.53	
Mittl. Ort	13.791		38.25		57.69		30.90		11.078		61.19		29.09		38.02	
sec δ, tg δ	1.341		−0.894		2.030		−1.767		1.031		+0.251		5.101		−5.002	

*) Ort des hellen Sterns; die jährliche Parallaxe (0.75″) ist bereits berücksichtigt.

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	545) μ Virginis				547) 109 Virginis				548) α Librae				549) Gr. 2164			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$14^h\ 38^m$		$-5°\ 17'$		$14^h\ 42^m$		$+2°\ 14'$		$14^h\ 46^m$		$-15°\ 41'$		$14^h\ 49^m$		$+59°\ 37'$	
Jan. 0.8	41.369	322	59.73	185	3.380	316	21.86	201	17.315	331	54.88	153	19.155	456	28.75	251
10.8	41.691	330	61.58	182	3.696	325	19.85	191	17.646	341	56.41	160	19.611	490	26.24	196
20.8	42.021	328	63.40	172	4.021	324	17.94	173	17.987	340	58.01	162	20.101	507	24.28	134
30.8	42.349	319	65.12	157	4.345	316	16.21	149	18.327	331	59.63	158	20.608	508	22.94	69
Feb. 9.7	42.668	302	66.69	136	4.661	299	14.72	121	18.658	315	61.21	149	21.116	491	22.25	2
19.7	42.970	280	68.05	113	4.960	278	13.51	90	18.973	293	62.70	136	21.607	460	22.23	64
März 1.7	43.250	254	69.18	88	5.238	253	12.61	58	19.266	268	64.06	121	22.067	416	22.87	126
11.6	43.504	225	70.06	61	5.491	224	12.03	27	19.534	240	65.27	103	22.483	361	24.13	182
21.6	43.729	196	70.67	37	5.715	195	11.76	3	19.774	211	66.30	85	22.844	299	25.95	229
31.6	43.925	166	71.04	13	5.910	164	11.79	30	19.985	182	67.15	67	23.143	231	28.24	266
Apr. 10.6	44.091	136	71.17	8	6.074	135	12.09	52	20.167	151	67.82	50	23.374	160	30.90	292
20.5	44.227	107	71.09	24	6.209	106	12.61	71	20.318	123	68.32	35	23.534	90	33.82	307
30.5	44.334	79	70.85	39	6.315	77	13.32	84	20.441	92	68.67	21	23.624	19	36.89	312
Mai 10.5	44.413	51	70.46	49	6.392	48	14.16	93	20.533	64	68.88	8	23.643	47	40.01	304
20.5	44.464	23	69.97	58	6.440	21	15.09	98	20.597	34	68.96	2	23.596	111	43.05	287
30.4	44.487	3	69.39	62	6.461	6	16.07	100	20.631	6	68.94	12	23.485	170	45.92	262
Juni 9.4	44.484	30	68.77	65	6.455	32	17.07	97	20.637	22	68.82	20	23.315	223	48.54	230
19.4	44.454	54	68.12	65	6.423	56	18.04	92	20.615	49	68.62	28	23.092	268	50.84	191
29.3	44.400	77	67.47	64	6.367	80	18.96	84	20.566	74	68.34	35	22.824	308	52.75	146
Juli 9.3	44.323	97	66.83	62	6.287	99	19.80	76	20.492	98	67.99	41	22.516	339	54.21	99
19.3	44.226	114	66.21	58	6.188	117	20.56	64	20.394	116	67.58	47	22.177	363	55.20	50
29.3	44.112	127	65.63	53	6.071	129	21.20	52	20.278	131	67.11	52	21.814	377	55.70	1
Aug. 8.2	43.985	134	65.10	46	5.942	137	21.72	38	20.147	140	66.59	56	21.437	381	55.69	52
18.2	43.851	135	64.64	38	5.805	138	22.10	23	20.007	142	66.03	57	21.056	376	55.17	103
28.2	43.716	128	64.26	29	5.667	131	22.33	6	19.865	136	65.46	57	20.680	359	54.14	151
Sept. 7.2	43.588	113	63.97	16	5.536	118	22.39	12	19.729	121	64.89	55	20.321	331	52.63	198
17.1	43.475	91	63.81	1	5.418	96	22.27	32	19.608	99	64.34	48	19.990	292	50.65	241
27.1	43.384	61	63.80	16	5.322	67	21.95	54	19.509	67	63.86	38	19.698	242	48.24	279
Okt. 7.1	43.323	22	63.96	35	5.255	29	21.41	76	19.442	28	63.48	25	19.456	181	45.45	312
17.0	43.301	21	64.31	56	5.226	13	20.65	99	19.414	17	63.23	7	19.275	111	42.33	340
27.0	43.322	68	64.87	80	5.239	60	19.66	124	19.431	67	63.16	13	19.164	33	38.93	360
Nov. 6.0	43.390	118	65.67	103	5.299	110	18.42	146	19.498	118	63.29	35	19.131	51	35.33	372
16.0	43.508	167	66.70	125	5.409	158	16.96	167	19.616	169	63.64	60	19.182	135	31.61	375
25.9	43.675	213	67.95	146	5.567	203	15.29	184	19.785	217	64.24	85	19.317	218	27.86	367
Dez. 5.9	43.888	253	69.41	163	5.770	244	13.45	196	20.002	259	65.09	107	19.535	297	24.19	348
15.9	44.141	286	71.04	175	6.014	278	11.49	203	20.261	293	66.16	127	19.832	366	20.71	318
25.9	44.427	309	72.79	183	6.292	302	9.46	204	20.554	318	67.43	143	20.198	425	17.53	278
35.8	44.736		74.62		6.594		7.42		20.872		68.86		20.623		14.75	
Mittl. Ort	41.031		53.09		3.076		30.80		17.010		51.41		19.875		51.01	
sec δ, tg δ	1.004		−0.093		1.001		+0.039		1.039		−0.281		1.978		+1.707	

Mittlere Zeit Greenw.	550) β Ursae minoris AR.		Dekl.		551) P. XIV. 221 AR.		Dekl.		552) β Lupi AR.		Dekl.		555) β Bootis AR.		Dekl.	
	14ʰ 50ᵐ		+74° 29′		14ʰ 52ᵐ		+14° 46′		14ʰ 53ᵐ		−42° 47′		14ʰ 58ᵐ		+40° 42′	
1917																
Jan. 0.8	53.60ˢ	75	17.44″	234	18.319ˢ	311	39.02″	228	5.400ˢ	415	58.07″	56	48.997ˢ	344	43.62″	262
10.8	54.35	82	15.10	176	18.630	324	36.74	204	5.815	428	58.63	89	49.341	365	41.00	218
20.8	55.17	86	13.34	112	18.954	326	34.70	174	6.243	429	59.52	118	49.706	375	38.82	167
30.8	56.03	87	12.22	44	19.280	320	32.96	139	6.672	420	60.70	144	50.081	373	37.15	110
Feb. 9.7	56.90	86	11.78	25	19.600	306	31.57	98	7.092	402	62.14	164	50.454	361	36.05	51
19.7	57.76	80	12.03	91	19.906	286	30.59	55	7.494	377	63.78	180	50.815	340	35.54	10
März 1.7	58.56	73	12.94	153	20.192	261	30.04	14	7.871	348	65.58	190	51.155	310	35.64	67
11.7	59.29	62	14.47	207	20.453	233	29.90	27	8.219	315	67.48	197	51.465	275	36.31	121
21.6	59.91	51	16.54	252	20.686	203	30.17	64	8.534	279	69.45	199	51.740	236	37.52	169
31.6	60.42	38	19.06	287	20.889	171	30.81	96	8.813	242	71.44	198	51.976	193	39.21	208
Apr. 10.6	60.80	23	21.93	310	21.060	141	31.77	122	9.055	204	73.42	193	52.169	151	41.29	237
20.5	61.03	10	25.03	321	21.201	109	32.99	142	9.259	165	75.35	186	52.320	107	43.66	257
30.5	61.13	5	28.24	322	21.310	78	34.41	155	9.424	126	77.21	176	52.427	64	46.23	268
Mai 10.5	61.08	18	31.46	310	21.388	48	35.96	162	9.550	85	78.97	164	52.491	21	48.91	268
20.5	60.90	31	34.56	289	21.436	18	37.58	163	9.635	45	80.61	148	52.512	18	51.59	260
30.4	60.59	43	37.45	260	21.454	10	39.21	157	9.680	5	82.09	130	52.494	57	54.19	244
Juni 9.4	60.16	53	40.05	223	21.444	38	40.78	147	9.685	35	83.39	110	52.437	94	56.63	220
19.4	59.63	62	42.28	180	21.406	64	42.25	134	9.650	73	84.49	86	52.343	126	58.83	191
29.4	59.01	68	44.08	132	21.342	88	43.59	117	9.577	108	85.35	59	52.217	156	60.74	157
Juli 9.3	58.33	74	45.40	82	21.254	110	44.76	96	9.469	141	85.94	32	52.061	181	62.31	119
19.3	57.59	78	46.22	30	21.144	128	45.72	75	9.328	167	86.26	3	51.880	202	63.50	78
29.3	56.81	80	46.52	24	21.016	141	46.47	50	9.161	187	86.29	26	51.678	217	64.28	35
Aug. 8.2	56.01	80	46.28	78	20.875	150	46.97	25	8.974	198	86.03	56	51.461	226	64.63	8
18.2	55.21	79	45.50	128	20.725	152	47.22	1	8.776	201	85.47	85	51.235	226	64.55	52
28.2	54.42	75	44.22	177	20.573	147	47.21	28	8.575	193	84.62	110	51.009	219	64.03	96
Sept. 7.2	53.67	69	42.45	224	20.426	135	46.93	57	8.382	174	83.52	132	50.790	204	63.07	138
17.1	52.98	61	40.21	265	20.291	113	46.36	84	8.208	142	82.20	148	50.586	179	61.69	179
27.1	52.37	53	37.56	302	20.178	85	45.52	113	8.066	100	80.72	160	50.407	145	59.90	217
Okt. 7.1	51.84	41	34.54	333	20.093	49	44.39	140	7.966	49	79.12	164	50.262	103	57.73	252
17.1	51.43	29	31.21	357	20.044	6	42.99	167	7.917	10	77.48	160	50.159	53	55.21	283
27.0	51.14	16	27.64	374	20.038	40	41.32	192	7.927	74	75.88	148	50.106	2	52.38	307
Nov. 6.0	50.98	0	23.90	381	20.078	91	39.40	214	8.001	141	74.40	130	50.108	61	49.31	325
16.0	50.98	15	20.09	378	20.169	141	37.26	231	8.142	207	73.10	105	50.169	122	46.06	336
25.9	51.13	30	16.31	367	20.310	188	34.95	243	8.349	267	72.05	75	50.291	181	42.70	338
Dez. 5.9	51.43	44	12.64	343	20.498	232	32.52	249	8.616	321	71.30	41	50.472	235	39.32	330
15.9	51.87	57	9.21	309	20.730	268	30.03	247	8.937	364	70.89	4	50.707	284	36.02	311
25.9	52.44	69	6.12	264	20.998	295	27.56	236	9.301	397	70.85	31	50.991	322	32.91	282
35.8	53.13		3.48		21.293		25.20		9.698		71.16		51.313		30.09	
Mittl. Ort	55.96		40.99		18.130		51.46		5.264		61.86		49.173		62.22	
sec δ, tg δ	3.741		+3.605		1.034		+0.264		1.363		−0.926		1.319		+0.861	

Mittlere Zeit Greenw.	556) γ Scorpii AR.		Dekl.		557) ψ Bootis AR.		Dekl.		558) ζ Lupi AR.		Dekl.		560) γ Triang. austr. AR.		Dekl.	
	$14^h 59^m$		−24° 57′		$15^h 0^m$		+27° 15′		$15^h 6^m$		−51° 46′		$15^h 11^m$		−68° 22′	
1917	s		″		s		″		s		″		s		″	
Jan. 0.8	12.708	345	24.77	114	53.359	316	58.64	250	18.680	469	57.86	7	7.73	72	18.96	58
10.8	13.053	357	25.91	130	53.675	332	56.14	217	19.149	488	57.93	48	8.45	75	18.38	9
20.8	13.410	358	27.21	142	54.007	338	53.97	175	19.637	495	58.41	84	9.20	78	18.29	41
30.8	13.768	352	28.63	148	54.345	336	52.22	129	20.132	489	59.25	118	9.98	77	18.70	87
Feb. 9.7	14.120	337	30.11	150	54.681	324	50.93	78	20.621	472	60.43	148	10.75	75	19.57	130
19.7	14.457	317	31.61	148	55.005	304	50.15	26	21.093	448	61.91	172	11.50	72	20.87	169
März 1.7	14.774	292	33.09	141	55.309	279	49.89	26	21.541	417	63.63	192	12.22	67	22.56	203
11.7	15.066	265	34.50	132	55.588	249	50.15	73	21.958	381	65.55	207	12.89	62	24.59	231
21.6	15.331	237	35.82	122	55.837	217	50.88	117	22.339	341	67.62	218	13.51	55	26.90	255
31.6	15.568	206	37.04	110	56.054	183	52.05	154	22.680	300	69.80	224	14.06	48	29.45	271
Apr. 10.6	15.774	176	38.14	96	56.237	147	53.59	183	22.980	254	72.04	227	14.54	41	32.16	282
20.6	15.950	144	39.10	86	56.384	112	55.42	204	23.234	209	74.31	224	14.95	33	34.98	289
30.5	16.094	114	39.96	73	56.496	78	57.46	217	23.443	161	76.55	219	15.28	24	37.87	289
Mai 10.5	16.208	82	40.69	61	56.574	43	59.63	221	23.604	112	78.74	209	15.52	15	40.76	282
20.5	16.290	51	41.30	48	56.617	10	61.84	218	23.716	62	80.83	195	15.67	6	43.58	270
30.4	16.341	18	41.78	37	56.627	23	64.02	208	23.778	12	82.78	177	15.73	2	46.28	252
Juni 9.4	16.359	13	42.15	24	56.604	54	66.10	192	23.790	38	84.55	155	15.71	11	48.80	227
19.4	16.346	44	42.39	12	56.550	82	68.02	170	23.752	86	86.10	130	15.60	20	51.07	198
29.4	16.302	73	42.51	1	56.468	109	69.72	144	23.666	131	87.40	101	15.40	27	53.05	162
Juli 9.3	16.229	100	42.50	15	56.359	133	71.16	115	23.535	171	88.41	69	15.13	34	54.67	123
19.3	16.129	123	42.35	29	56.226	153	72.31	83	23.364	206	89.10	34	14.79	39	55.90	78
29.3	16.006	140	42.06	42	56.073	167	73.14	49	23.158	232	89.44	2	14.40	44	56.68	32
Aug. 8.3	15.866	151	41.64	54	55.906	177	73.63	14	22.926	248	89.42	39	13.96	46	57.00	17
18.2	15.715	156	41.10	65	55.729	179	73.77	23	22.678	253	89.03	75	13.50	47	56.83	65
28.2	15.559	152	40.45	74	55.550	175	73.54	58	22.425	246	88.28	109	13.03	45	56.18	112
Sept. 7.2	15.407	138	39.71	81	55.375	163	72.96	95	22.179	225	87.19	140	12.58	42	55.06	156
17.1	15.269	114	38.90	83	55.212	141	72.01	130	21.954	190	85.79	165	12.16	35	53.50	195
27.1	15.155	83	38.07	81	55.071	112	70.71	164	21.764	143	84.14	185	11.81	28	51.55	226
Okt. 7.1	15.072	41	37.26	74	54.959	74	69.07	197	21.621	84	82.29	198	11.53	19	49.29	250
17.1	15.031	6	36.52	63	54.885	30	67.10	226	21.537	15	80.31	201	11.34	7	46.79	264
27.0	15.037	58	35.89	46	54.855	19	64.84	251	21.522	60	78.30	196	11.27	5	44.15	267
Nov. 6.0	15.095	113	35.43	26	54.874	71	62.33	273	21.582	137	76.34	182	11.32	17	41.48	259
16.0	15.208	168	35.17	1	54.945	125	59.60	288	21.719	214	74.52	161	11.49	30	38.89	242
25.9	15.376	219	35.16	24	55.070	177	56.72	294	21.933	287	72.91	132	11.79	42	36.47	214
Dez. 5.9	15.595	264	35.40	51	55.247	224	53.78	294	22.220	351	71.59	98	12.21	52	34.33	179
15.9	15.859	301	35.91	76	55.471	265	50.84	285	22.571	405	70.61	59	12.73	61	32.54	137
25.9	16.160	330	36.67	99	55.736	297	47.99	265	22.976	446	70.02	20	13.34	68	31.17	90
35.8	16.490		37.66		56.033		45.34		23.422		69.82		14.02		30.27	
Mittl. Ort	12.479		23.87		53.335		74.13		18.748		63.24		8.49		26.87	
sec δ, tg δ	1.103		−0.465		1.125		+0.516		1.616		−1.270		2.713		−2.522	

Mittlere Zeit Greenw.	563) δ Bootis AR.	Δ	563) δ Bootis Dekl.	Δ	564) β Librae AR.	Δ	564) β Librae Dekl.	Δ	565) 1 H. Ursae min. AR.	Δ	565) 1 H. Ursae min. Dekl.	Δ	566) φ¹ Lupi AR.	Δ	566) φ¹ Lupi Dekl.	Δ
1917	$15^h\ 12^m$		+33° 36′		$15^h\ 12^m$		−9° 4′		$15^h\ 13^m$		+67° 39′		$15^h\ 16^m$		−35° 57′	
Jan. 0.9	9.252 s	318	69.17″	264	32.480 s	311	44.31″	161	39.08 s	53	20.43″	267	32.123 s	371	38.57″	58
10.8	9.570	339	66.53	226	32.791	325	45.92	161	39.61	58	17.76	213	32.494	388	39.15	83
20.8	9.909	350	64.27	180	33.116	329	47.53	157	40.19	63	15.63	153	32.882	394	39.98	106
30.8	10.259	350	62.47	129	33.445	325	49.10	146	40.82	64	14.10	86	33.276	390	41.04	125
Feb. 9.8	10.609	340	61.18	74	33.770	314	50.56	130	41.46	63	13.24	17	33.666	378	42.29	139
19.7	10.949	323	60.44	18	34.084	297	51.86	111	42.09	61	13.07	— 50	34.044	359	43.68	148
März 1.7	11.272	298	60.26	— 38	34.381	275	52.97	89	42.70	56	13.57	115	34.403	336	45.16	153
11.7	11.570	269	60.64	91	34.656	252	53.86	67	43.26	50	14.72	174	34.739	308	46.69	155
21.6	11.839	235	61.55	137	34.908	226	54.53	44	43.76	42	16.46	225	35.047	279	48.24	155
31.6	12.074	199	62.92	177	35.134	199	54.97	23	44.18	34	18.71	266	35.326	248	49.79	152
Apr. 10.6	12.273	162	64.69	209	35.333	171	55.20	4	44.52	24	21.37	296	35.574	215	51.31	146
20.6	12.435	124	66.78	231	35.504	142	55.24	— 12	44.76	15	24.33	316	35.789	182	52.77	140
30.5	12.559	85	69.09	245	35.646	114	55.12	26	44.91	5	27.49	322	35.971	146	54.17	132
Mai 10.5	12.644	48	71.54	249	35.760	85	54.86	37	44.96	— 5	30.71	319	36.117	109	55.49	121
20.5	12.692	10	74.03	245	35.845	56	54.49	44	44.91	13	33.90	305	36.226	73	56.70	110
30.5	12.702	— 25	76.48	234	35.901	26	54.05	50	44.78	22	36.95	282	36.299	35	57.80	97
Juni 9.4	12.677	59	78.82	216	35.927	— 4	53.55	54	44.56	30	39.77	251	36.334	— 2	58.77	81
19.4	12.618	92	80.98	191	35.923	33	53.01	55	44.26	36	42.28	213	36.332	40	59.58	65
29.4	12.526	122	82.89	162	35.890	60	52.46	56	43.90	43	44.41	169	36.292	76	60.23	46
Juli 9.3	12.404	147	84.51	128	35.830	86	51.90	56	43.47	48	46.10	122	36.216	108	60.69	26
19.3	12.257	170	85.79	93	35.744	108	51.34	54	42.99	51	47.32	72	36.108	137	60.95	4
29.3	12.087	187	86.72	55	35.636	127	50.80	51	42.48	54	48.04	20	35.971	160	60.99	— 19
Aug. 8.3	11.900	198	87.27	15	35.509	139	50.29	48	41.94	55	48.24	— 33	35.811	176	60.80	41
18.2	11.702	202	87.42	— 25	35.370	146	49.81	44	41.39	55	47.91	86	35.635	184	60.39	62
28.2	11.500	199	87.17	66	35.224	144	49.37	37	40.84	53	47.05	136	35.451	181	59.77	84
Sept. 7.2	11.301	188	86.51	106	35.080	134	49.00	29	40.31	50	45.69	184	35.270	169	58.93	100
17.2	11.113	166	85.45	145	34.946	115	48.71	18	39.81	46	43.85	230	35.101	145	57.93	114
27.1	10.947	136	84.00	182	34.831	88	48.53	6	39.35	40	41.55	271	34.956	111	56.79	123
Okt. 7.1	10.811	99	82.18	217	34.743	53	48.47	— 10	38.95	33	38.84	308	34.845	66	55.56	125
17.1	10.712	54	80.01	249	34.690	10	48.57	29	38.62	23	35.76	338	34.779	15	54.31	122
27.0	10.658	2	77.52	275	34.680	— 37	48.86	48	38.39	14	32.38	360	34.764	— 43	53.09	112
Nov. 6.0	10.656	— 52	74.77	297	34.717	87	49.34	69	38.25	4	28.78	375	34.807	103	51.97	97
16.0	10.708	109	71.80	311	34.804	137	50.03	92	38.21	— 8	25.03	381	34.910	165	51.00	76
26.0	10.817	164	68.69	317	34.941	186	50.95	112	38.29	18	21.22	375	35.075	223	50.24	50
Dez. 5.9	10.981	215	65.52	315	35.127	230	52.07	130	38.47	30	17.47	360	35.298	274	49.74	21
15.9	11.196	261	62.37	302	35.357	266	53.37	146	38.77	39	13.87	332	35.572	319	49.53	— 8
25.9	11.457	298	59.35	280	35.623	295	54.83	155	39.16	48	10.55	294	35.891	352	49.61	38
35.9	11.755		56.55		35.918		56.38		39.64		7.61		36.243		49.99	
Mittl. Ort	9.393		85.68		32.296		38.95		40.82		42.11		32.029		40.24	
sec δ, tg δ	1.201		+0.665		1.013		−0.160		2.631		+2.434		1.236		−0.725	

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	569) γ Ursae minoris				568) μ Bootis				571) ι Draconis				572) β Coron. bor.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$15^h\ 20^m$		+72° 7′		$15^h\ 21^m$		+37° 39′		$15^h\ 23^m$		+59° 14′		$15^h\ 24^m$		+29° 23′	
Jan. 0.9	48.40	61	24.08	267	20.990	319	46.49	271	3.757	413	62.97	280	24.256	303	12.95	262
10.8	49.01	68	21.41	214	21.309	344	43.78	233	4.170	457	60.17	230	24.559	325	10.33	228
20.8	49.69	74	19.27	152	21.653	357	41.45	185	4.627	485	57.87	172	24.884	336	8.05	187
30.8	50.43	77	17.75	87	22.010	360	39.60	131	5.112	498	56.15	109	25.220	338	6.18	140
Feb. 9.8	51.20	76	16.88	18	22.370	353	38.29	74	5.610	493	55.06	42	25.558	331	4.78	88
19.7	51.96	74	16.70	50	22.723	337	37.55	15	6.103	475	54.64	26	25.889	316	3.90	34
März 1.7	52.70	68	17.20	115	23.060	313	37.40	44	6.578	443	54.90	91	26.205	295	3.56	20
11.7	53.38	61	18.35	174	23.373	284	37.84	98	7.021	398	55.81	151	26.500	269	3.76	71
21.6	53.99	52	20.09	226	23.657	250	38.82	148	7.419	344	57.32	204	26.769	238	4.47	118
31.6	54.51	42	22.35	267	23.907	213	40.30	190	7.763	284	59.36	248	27.007	206	5.65	158
Apr. 10.6	54.93	30	25.02	299	24.120	174	42.20	223	8.047	218	61.84	281	27.213	172	7.23	190
20.6	55.23	18	28.01	318	24.294	133	44.43	247	8.265	150	64.65	304	27.385	137	9.13	215
30.5	55.41	6	31.19	326	24.427	93	46.90	262	8.415	81	67.69	316	27.522	101	11.28	231
Mai 10.5	55.47	6	34.45	323	24.520	52	49.52	266	8.496	12	70.85	317	27.623	65	13.59	237
20.5	55.41	18	37.68	310	24.572	13	52.18	263	8.508	54	74.02	307	27.688	29	15.96	237
30.5	55.23	28	40.78	287	24.585	27	54.81	251	8.454	117	77.09	288	27.717	6	18.33	228
Juni 9.4	54.95	39	43.65	256	24.558	64	57.32	232	8.337	177	79.97	261	27.711	39	20.61	212
19.4	54.56	47	46.21	218	24.494	99	59.64	206	8.160	230	82.58	227	27.672	72	22.73	192
29.4	54.09	55	48.39	175	24.395	131	61.70	176	7.930	277	84.85	187	27.600	103	24.65	166
Juli 9.3	53.54	61	50.14	127	24.264	160	63.46	141	7.653	318	86.72	143	27.497	130	26.31	135
19.3	52.93	66	51.41	77	24.104	184	64.87	102	7.335	352	88.15	95	27.367	154	27.66	103
29.3	52.27	69	52.18	25	23.920	203	65.89	62	6.983	375	89.10	45	27.213	173	28.69	68
Aug. 8.3	51.58	71	52.43	28	23.717	216	66.51	19	6.608	389	89.55	6	27.040	186	29.37	31
18.2	50.87	71	52.15	80	23.501	222	66.70	23	6.219	394	89.49	57	26.854	194	29.68	7
28.2	50.16	69	51.35	132	23.279	220	66.47	66	5.825	387	88.92	108	26.660	192	29.61	45
Sept. 7.2	49.47	65	50.03	181	23.059	208	65.81	109	5.438	367	87.84	156	26.468	182	29.16	83
17.2	48.82	60	48.22	226	22.851	188	64.72	149	5.071	336	86.28	203	26.286	165	28.33	121
27.1	48.22	53	45.96	267	22.663	159	63.23	189	4.735	294	84.25	245	26.121	138	27.12	158
Okt. 7.1	47.69	44	43.29	304	22.504	120	61.34	226	4.441	238	81.80	284	25.983	102	25.54	192
17.1	47.25	34	40.25	335	22.384	74	59.08	258	4.203	172	78.96	318	25.881	59	23.62	224
27.0	46.91	22	36.90	358	22.310	22	56.50	286	4.031	99	75.78	344	25.822	11	21.38	251
Nov. 6.0	46.69	9	33.32	373	22.288	35	53.64	308	3.932	17	72.34	362	25.811	42	18.87	275
16.0	46.60	4	29.59	378	22.323	94	50.56	323	3.915	67	68.72	372	25.853	97	16.12	292
26.0	46.64	17	25.81	374	22.417	152	47.33	329	3.982	152	65.00	372	25.950	150	13.20	301
Dez. 5.9	46.81	31	22.07	359	22.569	207	44.04	327	4.134	235	61.28	361	26.100	201	10.19	302
15.9	47.12	44	18.48	332	22.776	255	40.77	313	4.369	310	57.67	338	26.301	245	7.17	293
25.9	47.56	54	15.16	293	23.031	296	37.64	289	4.679	376	54.29	304	26.546	282	4.24	276
35.9	48.10		12.23		23.327		34.75		5.055		51.25		26.828		1.48	
Mittl. Ort	50.96		45.59		21.272		63.42		4.877		83.21		24.409		28.00	
sec δ, tg δ	3.259		+3.101		1.263		+0.772		1.956		+1.681		1.148		+0.563	

Mittlere Zeit Greenw.	573) ν¹ Bootis AR.		Dekl.		575) γ Lupi AR.		Dekl.		577) γ Librae AR.		Dekl.		578) α Coron. bor. AR.		Dekl.	
1917	15ʰ 27ᵐ		+41° 6′		15ʰ 29ᵐ		−40° 53′		15ʰ 30ᵐ		−14° 30′		15ʰ 31ᵐ		+26° 59′	
Jan. 0.9	56.448	322	38.13	279	36.176	385	16.95	24	52.944	310	52.60	131	10.240	296	21.60	260
10.8	56.770	350	35.34	238	36.561	406	17.19	54	53.254	325	53.91	138	10.536	318	19.00	229
20.8	57.120	366	32.96	189	36.967	415	17.73	80	53.579	333	55.29	138	10.854	331	16.71	191
30.8	57.486	372	31.07	134	37.382	414	18.53	104	53.912	333	56.67	134	11.185	333	14.80	145
Feb. 9.8	57.858	366	29.73	75	37.796	405	19.57	123	54.245	324	58.01	125	11.518	327	13.35	95
19.7	58.224	351	28.98	13	38.201	388	20.80	138	54.569	309	59.26	111	11.845	314	12.40	43
März 1.7	58.575	329	28.85	47	38.589	366	22.18	149	54.878	292	60.37	96	12.159	294	11.97	10
11.7	58.904	299	29.32	103	38.955	339	23.67	156	55.170	270	61.33	79	12.453	270	12.07	60
21.7	59.203	265	30.35	155	39.294	310	25.23	161	55.440	245	62.12	60	12.723	241	12.67	106
31.6	59.468	226	31.90	199	39.604	278	26.84	163	55.685	220	62.72	43	12.964	211	13.73	147
Apr. 10.6	59.694	185	33.89	233	39.882	244	28.47	162	55.905	194	63.15	27	13.175	179	15.20	179
20.6	59.879	142	36.22	258	40.126	209	30.09	158	56.099	165	63.42	12	13.354	144	16.99	204
30.5	60.021	99	38.80	274	40.335	171	31.67	153	56.264	137	63.54	1	13.498	110	19.03	221
Mai 10.5	60.120	56	41.54	279	40.506	132	33.20	146	56.401	107	63.55	9	13.608	75	21.24	229
20.5	60.176	13	44.33	276	40.638	91	34.66	136	56.508	77	63.46	18	13.683	40	23.53	230
30.5	60.189	28	47.09	264	40.729	50	36.02	124	56.585	45	63.28	24	13.723	5	25.83	223
Juni 9.4	60.161	69	49.73	243	40.779	7	37.26	109	56.630	13	63.04	28	13.728	28	28.06	209
19.4	60.092	106	52.16	217	40.786	34	38.35	91	56.643	18	62.76	33	13.700	61	30.15	189
29.4	59.986	141	54.33	186	40.752	74	39.26	71	56.625	49	62.43	37	13.639	92	32.04	166
Juli 9.4	59.845	172	56.19	149	40.678	111	39.97	50	56.576	78	62.06	39	13.547	120	33.70	138
19.3	59.673	198	57.68	109	40.567	145	40.47	25	56.498	103	61.67	41	13.427	145	35.08	107
29.3	59.475	219	58.77	66	40.422	172	40.72	2	56.395	126	61.26	44	13.282	165	36.15	73
Aug. 8.3	59.256	233	59.43	23	40.250	191	40.70	28	56.269	142	60.82	45	13.117	180	36.88	38
18.2	59.023	240	59.66	22	40.059	202	40.42	54	56.127	151	60.37	45	12.937	187	37.26	1
28.2	58.783	239	59.44	67	39.857	202	39.88	79	55.976	152	59.92	45	12.750	188	37.27	35
Sept. 7.2	58.544	227	58.77	111	39.655	190	39.09	101	55.824	145	59.47	42	12.562	180	36.92	72
17.2	58.317	207	57.66	154	39.465	168	38.08	121	55.679	128	59.05	37	12.382	163	36.20	109
27.1	58.110	178	56.12	195	39.297	133	36.87	135	55.551	102	58.68	30	12.219	137	35.11	144
Okt. 7.1	57.932	139	54.17	233	39.164	87	35.52	144	55.449	68	58.38	18	12.082	103	33.67	179
17.1	57.793	91	51.84	266	39.077	33	34.08	145	55.381	26	58.20	4	11.979	62	31.88	210
27.1	57.702	37	49.18	295	39.044	28	32.63	140	55.355	22	58.16	12	11.917	14	29.78	239
Nov. 6.0	57.665	21	46.23	318	39.072	92	31.23	128	55.377	73	58.28	31	11.903	39	27.39	263
16.0	57.686	82	43.05	333	39.164	157	29.95	109	55.450	125	58.59	52	11.942	91	24.76	280
26.0	57.768	144	39.72	339	39.321	220	28.86	86	55.575	174	59.11	73	12.033	145	21.96	291
Dez. 5.9	57.912	201	36.33	336	39.541	276	28.00	59	55.749	221	59.84	92	12.178	194	19.05	295
15.9	58.113	252	32.97	322	39.817	324	27.41	28	55.970	260	60.76	110	12.372	238	16.10	288
25.9	58.365	297	29.75	297	40.141	364	27.13	4	56.230	291	61.86	124	12.610	275	13.22	272
35.9	58.662		26.78		40.505		27.17		56.521		63.10		12.885		10.50	
Mittl. Ort	56.859		55.36		36.184		19.45		52.833		48.74		10.396		35.82	
sec δ, tg δ	1.327		+0.873		1.323		−0.866		1.033		−0.259		1.122		+0.509	

Mittlere Zeit Greenw.	582) α Serpentis				583) β Serpentis				584) κ Serpentis				585) μ Serpentis			
	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.	AR.	Diff.	Dekl.	Diff.
1917	$15^h 40^m$		+6° 40′		$15^h 42^m$		+15° 40′		$15^h 45^m$		+18° 23′		$15^h 45^m$		−3° 10′	
Jan. 0.9	10.712	284	60.23	206	21.300	283	39.45	234	0.067	281	37.68	242	17.237	287	44.20	170
10.8	10.996	304	58.17	193	21.583	303	37.11	213	0.348	303	35.26	219	17.524	306	45.90	165
20.8	11.300	314	56.24	172	21.886	315	34.98	185	0.651	315	33.07	189	17.830	316	47.55	155
30.8	11.614	316	54.52	146	22.201	318	33.13	150	0.966	320	31.18	151	18.146	318	49.10	139
Feb. 9.8	11.930	310	53.06	115	22.519	313	31.63	110	1.286	315	29.67	109	18.464	313	50.49	117
19.7	12.240	298	51.91	79	22.832	302	30.53	66	1.601	305	28.58	64	18.777	301	51.66	92
März 1.7	12.538	281	51.12	43	23.134	286	29.87	22	1.906	288	27.94	16	19.078	286	52.58	65
11.7	12.819	261	50.69	6	23.420	265	29.65	21	2.194	268	27.78	29	19.364	267	53.23	38
21.7	13.080	238	50.63	28	23.685	240	29.86	62	2.462	244	28.07	71	19.631	244	53.61	10
31.6	13.318	213	50.91	59	23.925	214	30.48	98	2.706	217	28.78	109	19.875	221	53.71	16
Apr. 10.6	13.531	186	51.50	86	24.139	186	31.46	129	2.923	188	29.87	141	20.096	195	53.55	37
20.6	13.717	158	52.36	107	24.325	157	32.75	153	3.111	158	31.28	167	20.291	168	53.18	55
30.6	13.875	130	53.43	123	24.482	127	34.28	171	3.269	128	32.95	184	20.459	141	52.63	70
Mai 10.5	14.005	100	54.66	134	24.609	95	35.99	181	3.397	95	34.79	194	20.600	111	51.93	80
20.5	14.105	69	56.00	139	24.704	63	37.80	184	3.492	63	36.73	198	20.711	82	51.13	87
30.5	14.174	39	57.39	140	24.767	31	39.64	182	3.555	31	38.71	195	20.793	51	50.26	89
Juni 9.4	14.213	7	58.79	135	24.798	1	41.46	174	3.586	3	40.66	186	20.844	19	49.37	89
19.4	14.220	23	60.14	127	24.797	33	43.20	162	3.583	36	42.52	172	20.863	12	48.48	87
29.4	14.197	53	61.41	116	24.764	63	44.82	145	3.547	66	44.24	154	20.851	43	47.61	82
Juli 9.4	14.144	82	62.57	102	24.701	92	46.27	124	3.481	96	45.78	132	20.808	73	46.79	75
19.3	14.062	107	63.59	86	24.609	118	47.51	102	3.385	122	47.10	107	20.735	99	46.04	67
29.3	13.955	128	64.45	69	24.491	139	48.53	77	3.263	144	48.17	80	20.636	122	45.37	58
Aug. 8.3	13.827	145	65.14	51	24.352	156	49.30	51	3.119	160	48.97	52	20.514	139	44.79	49
18.3	13.682	155	65.65	30	24.196	166	49.81	22	2.959	171	49.49	21	20.375	150	44.30	38
28.2	13.527	157	65.95	9	24.030	168	50.03	6	2.788	174	49.70	9	20.225	154	43.92	26
Sept. 7.2	13.370	152	66.04	13	23.862	163	49.97	35	2.614	169	49.61	41	20.071	149	43.66	12
17.2	13.218	137	65.91	36	23.699	149	49.62	66	2.445	155	49.20	73	19.922	136	43.54	2
27.1	13.081	115	65.55	60	23.550	126	48.96	95	2.290	132	48.47	104	19.786	113	43.56	18
Okt. 7.1	12.966	83	64.95	84	23.424	95	48.01	124	2.158	101	47.43	135	19.673	82	43.74	37
17.1	12.883	44	64.11	109	23.329	56	46.77	154	2.057	62	46.08	165	19.591	42	44.11	56
27.1	12.839	0	63.02	133	23.273	10	45.23	180	1.995	17	44.43	192	19.549	2	44.67	76
Nov. 6.0	12.839	49	61.69	156	23.263	38	43.43	203	1.978	33	42.51	217	19.551	50	45.43	97
16.0	12.888	98	60.13	176	23.301	89	41.40	224	2.011	84	40.34	237	19.601	101	46.40	117
26.0	12.986	148	58.37	193	23.390	139	39.16	239	2.095	134	37.97	252	19.702	150	47.57	136
Dez. 5.9	13.134	193	56.44	204	23.529	186	36.77	248	2.229	182	35.45	259	19.852	196	48.93	151
15.9	13.327	233	54.40	210	23.715	228	34.29	248	2.411	225	32.86	259	20.048	235	50.44	162
25.9	13.560	265	52.30	209	23.943	262	31.81	241	2.636	260	30.27	250	20.283	268	52.06	168
35.9	13.825		50.21		24.205		29.40		2.896		27.77		20.551		53.74	
Mittl. Ort	10.707		69.38		21.378		50.69		0.186		49.44		17.204		37.58	
sec δ, tg δ	1.007		+0.117		1.039		+0.281		1.054		+0.333		1.001		−0.055	

Mittlere Zeit Greenw.	588) ε Serpentis				590) ζ Ursae minoris				589) β Triang. austr.				593) ε Coron. bor.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	15h 46m		+4° 43′		15h 46m		+78° 2′		15h 47m		−63° 10′		15h 54m		+27° 6′	
Jan. 0.9	40.622s	282	27.62″	198	54.50s	75	41.71″	281	48.33s	57	26.94″	87	8.741s	279	49.62″	266
10.9	40.904	301	25.64	187	55.25	89	38.90	232	48.90	61	26.07	44	9.020	304	46.96	237
20.8	41.205	312	23.77	169	56.14	99	36.58	174	49.51	64	25.63	1	9.324	321	44.59	201
30.8	41.517	315	22.08	145	57.13	106	34.84	111	50.15	65	25.62	41	9.645	328	42.58	157
Feb. 9.8	41.832	310	20.63	115	58.19	109	33.73	44	50.80	64	26.03	80	9.973	327	41.01	107
19.7	42.142	300	19.48	82	59.28	108	33.29	24	51.44	63	26.83	117	10.300	319	39.94	55
März 1.7	42.442	284	18.66	47	60.36	102	33.53	90	52.07	60	28.00	149	10.619	303	39.39	1
11.7	42.726	264	18.19	13	61.38	94	34.43	152	52.67	56	29.49	178	10.922	282	39.38	50
21.7	42.990	243	18.06	21	62.32	82	35.95	206	53.23	52	31.27	201	11.204	258	39.88	98
31.6	43.233	218	18.27	51	63.14	68	38.01	252	53.75	47	33.28	221	11.462	230	40.86	141
Apr. 10.6	43.451	192	18.78	77	63.82	51	40.53	288	54.22	42	35.49	236	11.692	199	42.27	177
20.6	43.643	165	19.55	99	64.33	34	43.41	311	54.64	35	37.85	246	11.891	166	44.04	205
30.6	43.808	137	20.54	114	64.67	15	46.52	325	54.99	28	40.31	251	12.057	133	46.09	224
Mai 10.5	43.945	107	21.68	125	64.82	2	49.77	327	55.27	22	42.82	252	12.190	99	48.33	235
20.5	44.052	77	22.93	131	64.80	21	53.04	319	55.49	15	45.34	247	12.289	63	50.68	239
30.5	44.129	46	24.24	132	64.59	38	56.23	300	55.64	7	47.81	236	12.352	26	53.07	234
Juni 9.4	44.175	15	25.56	128	64.21	54	59.23	274	55.71	0	50.17	220	12.378	9	55.41	223
19.4	44.190	17	26.84	122	63.67	68	61.97	240	55.71	8	52.37	199	12.369	45	57.64	205
29.4	44.173	48	28.06	111	62.99	81	64.37	200	55.63	15	54.36	171	12.324	78	59.69	182
Juli 9.4	44.125	76	29.17	99	62.18	92	66.37	155	55.48	21	56.07	139	12.246	110	61.51	156
19.3	44.049	103	30.16	85	61.26	100	67.92	106	55.27	28	57.46	103	12.136	138	63.07	125
29.3	43.946	125	31.01	69	60.26	107	68.98	56	54.99	32	58.49	63	11.998	162	64.32	92
Aug. 8.3	43.821	143	31.70	52	59.19	110	69.54	4	54.67	36	59.12	19	11.836	180	65.24	57
18.3	43.678	154	32.22	34	58.09	111	69.58	49	54.31	37	59.31	24	11.656	192	65.81	20
28.2	43.524	158	32.56	14	56.98	111	69.09	100	53.94	38	59.07	69	11.464	196	66.01	17
Sept. 7.2	43.366	153	32.70	6	55.87	107	68.09	149	53.56	37	58.38	112	11.268	192	65.84	55
17.2	43.213	139	32.64	28	54.80	100	66.60	197	53.19	33	57.26	151	11.076	179	65.29	92
27.1	43.074	118	32.36	50	53.80	91	64.63	240	52.86	28	55.75	185	10.897	156	64.37	129
Okt. 7.1	42.956	87	31.86	72	52.89	80	62.23	279	52.58	20	53.90	213	10.741	124	63.08	165
17.1	42.869	48	31.14	97	52.09	65	59.44	313	52.38	12	51.77	232	10.617	85	61.43	198
27.1	42.821	4	30.17	121	51.44	50	56.31	340	52.26	3	49.45	241	10.532	39	59.45	228
Nov. 6.0	42.817	44	28.96	142	50.94	31	52.91	360	52.23	8	47.04	242	10.493	12	57.17	254
16.0	42.861	93	27.54	163	50.63	12	49.31	370	52.31	18	44.62	232	10.505	65	54.63	275
26.0	42.954	143	25.91	180	50.51	7	45.61	370	52.49	29	42.30	214	10.570	119	51.88	288
Dez. 6.0	43.097	188	24.11	193	50.58	28	41.91	359	52.78	37	40.16	186	10.689	170	49.00	293
15.9	43.285	228	22.18	200	50.86	47	38.32	338	53.15	46	38.30	153	10.859	216	46.07	290
25.9	43.513	262	20.18	200	51.33	66	34.94	306	53.61	54	36.77	114	11.075	255	43.17	277
35.9	43.775		18.18		51.99		31.88		54.15		35.63		11.330		40.40	
Mittl. Ort	40.633		36.14		59.57		61.50		49.01		32.72		9.026		62.82	
sec δ, tg δ	1.003		+0.083		4.830		+4.725		2.216		−1.978		1.124		+0.512	

Mittlere Zeit Greenw.	594) δ Scorpii				598) ϑ Draconis				597) β Scorpii				603) δ Ophiuchi			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$15^h\ 55^m$		$-22°\ 23'$		$16^h\ 0^m$		$+58°\ 46'$		$16^h\ 0^m$		$-19°\ 34'$		$16^h\ 9^m$		$-3°\ 28'$	
Jan. 0.9	25.361	308	13.57	83	18.423	357	54.23	306	36.464	300	48.08	93	59.602	271	59.85	161
10.9	25.669	330	14.40	96	18.780	410	51.17	263	36.764	321	49.01	102	59.873	294	61.46	157
20.8	25.999	342	15.36	104	19.190	450	48.54	209	37.085	333	50.03	108	60.167	308	63.03	147
30.8	26.341	345	16.40	108	19.640	475	46.45	150	37.418	338	51.11	109	60.475	313	64.50	131
Feb. 9.8	26.686	340	17.48	107	20.115	484	44.95	84	37.756	335	52.20	106	60.788	313	65.81	111
19.7	27.026	331	18.55	103	20.599	479	44.11	16	38.091	326	53.26	98	61.101	305	66.92	87
März 1.7	27.357	316	19.58	97	21.078	460	43.95	51	38.417	311	54.24	89	61.406	294	67.79	60
11.7	27.673	297	20.55	87	21.538	427	44.46	114	38.728	294	55.13	77	61.700	278	68.39	32
21.7	27.970	275	21.42	77	21.965	384	45.60	173	39.022	273	55.90	63	61.978	260	68.71	6
31.6	28.245	252	22.19	66	22.349	333	47.33	224	39.295	251	56.53	51	62.238	239	68.77	20
Apr. 10.6	28.497	226	22.85	56	22.682	275	49.57	264	39.546	226	57.04	40	62.477	215	68.57	42
20.6	28.723	199	23.41	46	22.957	212	52.21	296	39.772	200	57.44	28	62.692	190	68.15	61
30.6	28.922	170	23.87	38	23.169	145	55.17	316	39.972	172	57.72	19	62.882	164	67.54	75
Mai 10.5	29.092	139	24.25	30	23.314	78	58.33	325	40.144	141	57.91	12	63.046	135	66.79	85
20.5	29.231	107	24.55	23	23.392	10	61.58	323	40.285	109	58.03	5	63.181	105	65.94	92
30.5	29.338	72	24.78	17	23.402	57	64.81	313	40.394	76	58.08	0	63.286	74	65.02	94
Juni 9.4	29.410	37	24.95	11	23.345	121	67.94	292	40.470	41	58.08	5	63.360	40	64.08	94
19.4	29.447	1	25.06	5	23.224	181	70.86	264	40.511	5	58.03	10	63.400	6	63.14	91
29.4	29.448	34	25.11	2	23.043	236	73.50	230	40.516	29	57.93	13	63.406	26	62.23	85
Juli 9.4	29.414	67	25.09	8	22.807	286	75.80	189	40.487	63	57.80	18	63.380	59	61.38	78
19.3	29.347	99	25.01	15	22.521	329	77.69	145	40.424	94	57.62	24	63.321	89	60.60	70
29.3	29.248	125	24.86	24	22.192	363	79.14	98	40.330	121	57.38	28	63.232	115	59.90	61
Aug. 8.3	29.123	146	24.62	32	21.829	388	80.12	47	40.209	143	57.10	33	63.117	136	59.29	50
18.3	28.977	161	24.30	39	21.441	402	80.59	3	40.066	157	56.77	38	62.981	151	58.79	40
28.2	28.816	166	23.91	47	21.039	405	80.56	55	39.909	164	56.39	43	62.830	159	58.39	27
Sept. 7.2	28.650	162	23.44	53	20.634	397	80.01	106	39.745	161	55.96	45	62.671	158	58.12	15
17.2	28.488	148	22.91	56	20.237	375	78.95	155	39.584	148	55.51	47	62.513	148	57.97	0
27.2	28.340	124	22.35	56	19.862	340	77.40	202	39.436	126	55.04	44	62.365	128	57.97	15
Okt. 7.1	28.216	91	21.79	53	19.522	294	75.38	245	39.310	93	54.60	40	62.237	100	58.12	32
17.1	28.125	49	21.26	47	19.228	234	72.93	284	39.217	53	54.20	32	62.137	64	58.44	50
27.1	28.076	0	20.79	36	18.994	166	70.09	317	39.164	6	53.88	20	62.073	20	58.94	70
Nov. 6.0	28.076	52	20.43	22	18.828	89	66.92	343	39.158	46	53.68	6	62.053	27	59.64	89
16.0	28.128	107	20.21	4	18.739	6	63.49	360	39.204	99	53.62	12	62.080	77	60.53	108
26.0	28.235	159	20.17	15	18.733	79	59.89	369	39.303	151	53.74	30	62.157	127	61.61	127
Dez. 6.0	28.394	209	20.32	35	18.812	163	56.20	366	39.454	200	54.04	49	62.284	173	62.88	141
15.9	28.603	252	20.67	54	18.975	243	52.54	352	39.654	243	54.53	68	62.457	215	64.29	152
25.9	28.855	288	21.21	71	19.218	315	49.02	326	39.897	278	55.21	82	62.672	250	65.81	159
35.9	29.143		21.92		19.533		45.76		40.175		56.03		62.922		67.40	
Mittl. Ort	25.349		11.53		19.916		71.76		36.465		45.38		59.659		53.65	
sec δ, tg δ	1.082		−0.412		1.930		+1.650		1.061		−0.356		1.002		−0.061	

Mittlere Zeit Greenw.	606) 19 Ursae min. AR.		Dekl.		604) γ² Normae AR.		Dekl.		605) ε Ophiuchi AR.		Dekl.		608) τ Herculis AR.		Dekl.	
1917	16h 13m		+76° 4′		16h 13m		−49° 57′		16h 13m		−4° 29′		16h 17m		+46° 30′	
Jan. 0.9	5.52	57	55.83	304	36.990	401	8.13	61	55.599	270	34.13	154	13.768	286	22.65	308
10.9	6.09	71	52.79	260	37.391	436	7.52	30	55.869	293	35.67	151	14.054	327	19.57	273
20.8	6.80	82	50.19	207	37.827	459	7.22	1	56.162	307	37.18	143	14.381	358	16.84	227
30.8	7.62	89	48.12	147	38.286	470	7.23	32	56.469	314	38.61	128	14.739	378	14.57	172
Feb. 9.8	8.51	94	46.65	81	38.756	471	7.55	60	56.783	313	39.89	109	15.117	386	12.85	113
19.8	9.45	94	45.84	12	39.227	464	8.15	84	57.096	307	40.98	86	15.503	384	11.72	50
März 1.7	10.39	92	45.72	55	39.691	449	8.99	106	57.403	296	41.84	60	15.887	372	11.22	15
11.7	11.31	86	46.27	119	40.140	428	10.05	125	57.699	281	42.44	33	16.259	352	11.37	78
21.7	12.17	78	47.46	178	40.568	401	11.30	140	57.980	262	42.77	7	16.611	324	12.15	135
31.7	12.95	67	49.24	229	40.969	371	12.70	154	58.242	242	42.84	18	16.935	290	13.50	187
Apr. 10.6	13.62	54	51.53	270	41.340	337	14.24	164	58.484	220	42.66	38	17.225	250	15.37	231
20.6	14.16	40	54.23	302	41.677	299	15.88	171	58.704	195	42.28	57	17.475	207	17.68	265
30.6	14.56	24	57.25	322	41.976	257	17.59	176	58.899	168	41.71	72	17.682	162	20.33	289
Mai 10.6	14.80	9	60.47	331	42.233	211	19.35	177	59.067	140	40.99	81	17.844	113	23.22	303
20.5	14.89	7	63.78	329	42.444	162	21.12	175	59.207	110	40.18	88	17.957	64	26.25	307
30.5	14.82	22	67.07	318	42.606	111	22.87	170	59.317	78	39.30	90	18.021	14	29.32	302
Juni 9.5	14.60	36	70.25	297	42.717	57	24.57	160	59.395	44	38.40	90	18.035	35	32.34	288
19.4	14.24	50	73.22	269	42.774	3	26.17	146	59.439	11	37.50	87	18.000	82	35.22	266
29.4	13.74	62	75.91	233	42.777	51	27.63	130	59.450	23	36.63	83	17.918	128	37.88	237
Juli 9.4	13.12	73	78.24	192	42.726	103	28.93	108	59.427	56	35.80	75	17.790	170	40.25	203
19.4	12.39	81	80.16	147	42.623	150	30.01	82	59.371	86	35.05	68	17.620	208	42.28	164
29.3	11.58	89	81.63	98	42.473	191	30.83	54	59.285	113	34.37	60	17.412	239	43.92	122
Aug. 8.3	10.69	93	82.61	47	42.282	224	31.37	23	59.172	135	33.77	50	17.173	264	45.14	76
18.3	9.76	97	83.08	4	42.058	247	31.60	10	59.037	151	33.27	40	16.909	281	45.90	30
28.2	8.79	97	83.04	56	41.811	257	31.50	44	58.886	159	32.87	29	16.628	289	46.20	19
Sept. 7.2	7.82	95	82.48	108	41.554	254	31.06	77	58.727	159	32.58	17	16.339	287	46.01	67
17.2	6.87	91	81.40	157	41.300	237	30.29	107	58.568	149	32.41	4	16.052	274	45.34	114
27.2	5.96	85	79.83	204	41.063	205	29.22	134	58.419	130	32.37	11	15.778	251	44.20	160
Okt. 7.1	5.11	76	77.79	248	40.858	161	27.88	155	58.289	103	32.48	26	15.527	216	42.60	203
17.1	4.35	65	75.31	286	40.697	105	26.33	171	58.186	66	32.74	44	15.311	172	40.57	244
27.1	3.70	51	72.45	318	40.592	38	24.62	179	58.120	23	33.18	63	15.139	119	38.13	280
Nov. 6.1	3.19	36	69.27	343	40.554	35	22.83	180	58.097	25	33.81	82	15.020	60	35.33	309
16.0	2.83	20	65.84	361	40.589	109	21.03	172	58.122	74	34.63	101	14.960	5	32.24	331
26.0	2.63	3	62.23	369	40.698	184	19.31	158	58.196	124	35.64	118	14.965	71	28.93	345
Dez. 6.0	2.60	15	58.54	365	40.882	255	17.73	138	58.320	170	36.82	134	15.036	136	25.48	350
15.9	2.75	33	54.89	351	41.137	317	16.35	112	58.490	213	38.16	145	15.172	197	21.98	342
25.9	3.08	48	51.38	324	41.454	370	15.23	82	58.703	249	39.61	152	15.369	254	18.56	324
35.9	3.56		48.14		41.824		14.41		58.952		41.13		15.623		15.32	
Mittl. Ort	10.32		73.33		37.315		11.01		55.666		28.20		14.704		37.55	
sec δ, tg δ	4.159		+4.037		1.554		−1.190		1.003		−0.079		1.453		+1.054	

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	609) γ Herculis				611) γ Apodis				615) η Draconis				616) α Scorpii			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	16h 18m		+19° 20′		16h 20m		−78° 42′		16h 22m		+61° 41′		16h 24m		−26° 14′	
	s		″		s		″		s		″		s		″	
Jan. 0.9	15.179	257	39.44	246	37.56	109	41.14	185	49.84	34	50.69	320	18.823	297	57.51	44
10.9	15.436	283	36.98	227	38.65	122	39.29	141	50.18	41	47.49	281	19.120	323	57.95	59
20.9	15.719	301	34.71	197	39.87	131	37.88	93	50.59	46	44.68	230	19.443	339	58.54	69
30.8	16.020	312	32.74	161	41.18	138	36.95	43	51.05	49	42.38	172	19.782	348	59.23	77
Feb. 9.8	16.332	314	31.13	119	42.56	140	36.52	—5	51.54	51	40.66	108	20.130	350	60.00	81
19.8	16.646	309	29.94	73	43.96	139	36.57	52	52.05	52	39.58	40	20.480	345	60.81	81
März 1.7	16.955	299	29.21	25	45.35	137	37.09	98	52.57	51	39.18	—28	20.825	334	61.62	78
11.7	17.254	284	28.96	—22	46.72	132	38.07	139	53.08	48	39.46	94	21.159	320	62.40	74
21.7	17.538	265	29.18	68	48.04	123	39.46	177	53.56	44	40.40	156	21.479	302	63.14	69
31.7	17.803	242	29.86	108	49.27	113	41.23	210	54.00	39	41.96	210	21.781	282	63.83	62
Apr. 10.6	18.045	216	30.94	143	50.40	101	43.33	240	54.39	33	44.06	254	22.063	258	64.45	56
20.6	18.261	189	32.37	172	51.41	88	45.73	262	54.72	26	46.60	289	22.321	233	65.01	51
30.6	18.450	159	34.09	193	52.29	72	48.35	280	54.98	19	49.49	315	22.554	204	65.52	46
Mai 10.6	18.609	127	36.02	206	53.01	56	51.15	291	55.17	12	52.64	329	22.758	174	65.98	41
20.5	18.736	94	38.08	213	53.57	39	54.06	296	55.29	4	55.93	331	22.932	140	66.39	37
30.5	18.830	60	40.21	213	53.96	21	57.02	294	55.33	—3	59.24	325	23.072	104	66.76	34
Juni 9.5	18.890	24	42.34	206	54.17	2	59.96	284	55.30	10	62.49	309	23.176	66	67.10	29
19.4	18.914	—11	44.40	193	54.19	—16	62.80	268	55.20	18	65.58	284	23.242	27	67.39	25
29.4	18.903	46	46.33	176	54.03	34	65.48	244	55.02	24	68.42	253	23.269	—12	67.64	20
Juli 9.4	18.857	79	48.09	154	53.69	50	67.92	213	54.78	30	70.95	215	23.257	50	67.84	13
19.4	18.778	110	49.63	130	53.19	65	70.05	175	54.48	35	73.10	172	23.207	87	67.97	4
29.3	18.668	137	50.93	103	52.54	78	71.80	132	54.13	40	74.82	125	23.120	118	68.01	—4
Aug. 8.3	18.531	159	51.96	73	51.76	88	73.12	83	53.73	43	76.07	76	23.002	145	67.97	14
18.3	18.372	175	52.69	42	50.88	94	73.95	31	53.30	45	76.83	25	22.857	165	67.83	25
28.2	18.197	183	53.11	11	49.94	97	74.26	—23	52.85	45	77.08	—26	22.692	175	67.58	36
Sept. 7.2	18.014	183	53.22	—22	48.97	96	74.03	78	52.40	46	76.82	79	22.517	177	67.22	46
17.2	17.831	174	53.00	56	48.01	90	73.25	130	51.94	44	76.03	130	22.340	167	66.76	54
27.2	17.657	156	52.44	88	47.11	80	71.95	179	51.50	40	74.73	178	22.173	147	66.22	59
Okt. 7.1	17.501	128	51.56	120	46.31	66	70.16	221	51.10	36	72.95	224	22.026	116	65.63	63
17.1	17.373	93	50.36	152	45.65	50	67.95	256	50.74	31	70.71	266	21.910	76	65.00	62
27.1	17.280	51	48.84	182	45.15	30	65.39	282	50.43	23	68.05	303	21.834	29	64.38	57
Nov. 6.1	17.229	2	47.02	208	44.85	7	62.57	297	50.20	15	65.02	332	21.805	—23	63.81	48
16.0	17.227	—48	44.94	230	44.78	—15	59.60	300	50.05	7	61.70	355	21.828	79	63.33	35
26.0	17.275	99	42.64	247	44.93	38	56.60	292	49.98	—3	58.15	367	21.907	134	62.98	20
Dez. 6.0	17.374	149	40.17	258	45.31	60	53.68	275	50.01	12	54.48	369	22.041	186	62.78	3
15.9	17.523	193	37.59	260	45.91	81	50.93	247	50.13	21	50.79	359	22.227	233	62.75	—16
25.9	17.716	233	34.99	253	46.72	99	48.46	212	50.34	29	47.20	338	22.460	272	62.91	33
35.9	17.949		32.46		47.71		46.34		50.63		43.82		22.732		63.24	
Mittl. Ort	15.460		50.02		40.68		46.91		51.82		66.62		18.915		55.99	
sec δ, tg δ	1.060		+0.351		5.109		−5.010		2.109		+1.857		1.115		−0.493	

Mittlere Zeit Greenw.	618) β Herculis AR.		618) β Herculis Dekl.		619) A Draconis AR.		619) A Draconis Dekl.		621) σ Herculis AR.		621) σ Herculis Dekl.		622) ζ Ophiuchi AR.		622) ζ Ophiuchi Dekl.	
1917	$16^h\ 26^m$		+21° 39′		$16^h\ 28^m$		+68° 56′		$16^h\ 31^m$		+42° 36′		$16^h\ 32^m$		−10° 23′	
Jan. 0.9	38.721	250	60.07	255	5.26	40	36.02	321	24.736	262	13.89	309	35.095	263	64.43	119
10.9	38.971	278	57.52	234	5.66	48	32.81	281	24.998	302	10.80	276	35.358	288	65.62	121
20.9	39.249	299	55.18	204	6.14	56	30.00	230	25.300	333	8.04	234	35.646	305	66.83	118
30.8	39.548	310	53.14	166	6.70	61	27.70	172	25.633	354	5.70	184	35.951	315	68.01	109
Feb. 9.8	39.858	315	51.48	122	7.31	65	25.98	108	25.987	364	3.86	127	36.266	317	69.10	96
19.8	40.173	312	50.26	75	7.96	66	24.90	39	26.351	365	2.59	65	36.583	313	70.06	79
März 1.8	40.485	304	49.51	25	8.62	64	24.51	29	26.716	357	1.94	3	36.896	306	70.85	60
11.7	40.789	289	49.26	24	9.26	62	24.80	96	27.073	341	1.91	59	37.202	293	71.45	39
21.7	41.078	271	49.50	71	9.88	56	25.76	157	27.414	318	2.50	118	37.495	277	71.84	19
31.7	41.349	249	50.21	114	10.44	50	27.33	211	27.732	289	3.68	169	37.772	260	72.03	2
Apr. 10.6	41.598	224	51.35	151	10.94	41	29.44	257	28.021	255	5.37	214	38.032	239	72.01	19
20.6	41.822	196	52.86	181	11.35	33	32.01	293	28.276	218	7.51	251	38.271	216	71.82	33
30.6	42.018	166	54.67	204	11.68	24	34.94	318	28.494	176	10.02	277	38.487	190	71.49	45
Mai 10.6	42.184	134	56.71	218	11.92	13	38.12	332	28.670	132	12.79	294	38.677	162	71.04	54
20.5	42.318	101	58.89	225	12.05	3	41.44	336	28.802	87	15.73	301	38.839	133	70.50	60
30.5	42.419	65	61.14	226	12.08	7	44.80	329	28.889	40	18.74	299	38.972	99	69.90	62
Juni 9.5	42.484	29	63.40	218	12.01	17	48.09	312	28.929	6	21.73	288	39.071	65	69.28	62
19.5	42.513	8	65.58	206	11.84	26	51.21	288	28.923	52	24.61	269	39.136	29	68.66	61
29.4	42.505	44	67.64	188	11.58	35	54.09	256	28.871	97	27.30	243	39.165	7	68.05	59
Juli 9.4	42.461	78	69.52	166	11.23	43	56.65	218	28.774	139	29.73	213	39.158	42	67.46	55
19.4	42.383	111	71.18	140	10.80	49	58.83	175	28.635	177	31.86	177	39.116	75	66.91	50
29.3	42.272	139	72.58	112	10.31	55	60.58	127	28.458	211	33.63	136	39.041	106	66.41	46
Aug. 8.3	42.133	162	73.70	80	9.76	59	61.85	78	28.247	237	34.99	93	38.935	131	65.95	42
18.3	41.971	180	74.50	48	9.17	62	62.63	27	28.010	256	35.92	49	38.804	149	65.53	36
28.3	41.791	189	74.98	14	8.55	63	62.90	26	27.754	266	36.41	2	38.655	161	65.17	31
Sept. 7.2	41.602	191	75.12	21	7.92	63	62.64	78	27.488	268	36.43	44	38.494	165	64.86	25
17.2	41.411	182	74.91	55	7.29	61	61.86	130	27.220	259	35.99	91	38.329	157	64.61	18
27.2	41.229	165	74.36	90	6.68	57	60.56	178	26.961	239	35.08	137	38.172	140	64.43	9
Okt. 7.1	41.064	139	73.46	124	6.11	51	58.78	225	26.722	209	33.71	181	38.032	114	64.34	2
17.1	40.925	104	72.22	157	5.60	43	56.53	267	26.513	169	31.90	221	37.918	79	64.36	13
27.1	40.821	62	70.65	187	5.17	35	53.86	303	26.344	120	29.69	258	37.839	37	64.49	28
Nov. 6.1	40.759	14	68.78	215	4.82	25	50.83	333	26.224	65	27.11	290	37.802	10	64.77	44
16.0	40.745	37	66.63	238	4.57	14	47.50	355	26.159	5	24.21	314	37.812	60	65.21	60
26.0	40.782	89	64.25	256	4.43	2	43.95	368	26.154	57	21.07	331	37.872	110	65.81	77
Dez. 6.0	40.871	138	61.69	266	4.41	10	40.27	370	26.211	119	17.76	339	37.982	159	66.58	92
16.0	41.009	184	59.03	269	4.51	22	36.57	360	26.330	178	14.37	335	38.141	203	67.50	105
25.9	41.193	225	56.34	262	4.73	33	32.97	338	26.508	230	11.02	322	38.344	239	68.55	113
35.9	41.418		53.72		5.06		29.59		26.738		7.80		38.583		69.68	
Mittl. Ort	39.070		70.66		8.31		51.90		25.607		27.27		35.201		59.91	
sec δ, tg δ	1.076		+0.397		2.784		+2.598		1.359		+0.920		1.017		−0.184	

Mittlere Zeit Greenw.	625) α Triang. austr. AR.	Diff.	625) Dekl.	Diff.	626) η Herculis AR.	Diff.	626) Dekl.	Diff.
	$16^h\ 39^m$		−68° 52′		$16^h\ 40^m$		+39° 4′	
1917	s		″		s		″	
Jan. 0.9	50.39	60	33.42	172	2.206	248	33.81	305
10.9	50.99	68	31.70	134	2.454	287	30.76	275
20.9	51.67	73	30.36	95	2.741	317	28.01	236
30.8	52.40	77	29.41	52	3.058	338	25.65	189
Feb. 9.8	53.17	79	28.89	10	3.396	348	23.76	134
19.8	53.96	79	28.79	30	3.744	351	22.42	75
März 1.8	54.75	78	29.09	69	4.095	345	21.67	14
11.7	55.53	76	29.78	106	4.440	331	21.53	47
21.7	56.29	72	30.84	138	4.771	311	22.00	104
31.7	57.01	67	32.22	168	5.082	286	23.04	156
Apr. 10.6	57.68	61	33.90	194	5.368	256	24.60	201
20.6	58.29	55	35.84	216	5.624	221	26.61	238
30.6	58.84	48	38.00	233	5.845	183	28.99	266
Mai 10.6	59.32	39	40.33	246	6.028	143	31.65	283
20.5	59.71	30	42.79	252	6.171	101	34.48	293
30.5	60.01	21	45.31	254	6.272	57	37.41	292
Juni 9.5	60.22	10	47.85	248	6.329	13	40.33	283
19.5	60.32	0	50.33	237	6.342	33	43.16	267
29.4	60.32	10	52.70	220	6.309	76	45.83	244
Juli 9.4	60.22	19	54.90	195	6.233	117	48.27	214
19.4	60.03	28	56.85	164	6.116	155	50.41	181
29.3	59.75	36	58.49	127	5.961	189	52.22	143
Aug. 8.3	59.39	43	59.76	87	5.772	216	53.65	102
18.3	58.96	47	60.63	41	5.556	237	54.67	59
28.3	58.49	50	61.04	6	5.319	248	55.26	14
Sept. 7.2	57.99	50	60.98	54	5.071	252	55.40	31
17.2	57.49	49	60.44	102	4.819	245	55.09	77
27.2	57.00	44	59.42	146	4.574	227	54.32	121
Okt. 7.1	56.56	37	57.96	186	4.347	200	53.11	164
17.1	56.19	28	56.10	219	4.147	163	51.47	205
27.1	55.91	17	53.91	243	3.984	116	49.42	241
Nov. 6.1	55.74	6	51.48	259	3.868	64	47.01	274
16.0	55.68	7	48.89	265	3.804	8	44.27	300
26.0	55.75	20	46.24	261	3.796	52	41.27	318
Dez. 6.0	55.95	33	43.63	246	3.848	111	38.09	328
16.0	56.28	44	41.17	224	3.959	167	34.81	327
25.9	56.72	54	38.93	195	4.126	217	31.54	316
35.9	57.26		36.98		4.343		28.38	
Mittl. Ort	51.75		37.48		3.003		46.14	
sec δ, tg δ	2.775		−2.588		1.288		+0.812	

Mittlere Zeit Greenw.	627) Gr. 2377 AR.	Diff.	627) Dekl.	Diff.	628) ε Scorpii AR.	Diff.	628) Dekl.	Diff.
	$16^h\ 43^m$		+56° 55′		$16^h\ 44^m$		−34° 8′	
1917	s		″		s		″	
Jan. 0.9	41.539	283	33.32	329	46.826	299	37.48	11
10.9	41.822	343	30.03	295	47.125	331	37.37	7
20.9	42.165	391	27.08	249	47.456	353	37.44	23
30.8	42.556	427	24.59	195	47.809	366	37.67	37
Feb. 9.8	42.983	450	22.64	134	48.175	371	38.04	49
19.8	43.433	458	21.30	68	48.546	371	38.53	58
März 1.8	43.891	454	20.62	1	48.917	364	39.11	64
11.7	44.345	438	20.61	66	49.281	352	39.75	68
21.7	44.783	409	21.27	129	49.633	336	40.43	71
31.7	45.192	372	22.56	186	49.969	317	41.14	74
Apr. 10.6	45.564	326	24.42	234	50.286	295	41.88	74
20.6	45.890	273	26.76	274	50.581	269	42.62	76
30.6	46.163	216	29.50	303	50.850	240	43.38	76
Mai 10.6	46.379	153	32.53	322	51.090	208	44.14	76
20.5	46.532	89	35.75	331	51.298	171	44.90	77
30.5	46.621	23	39.06	329	51.469	132	45.67	75
Juni 9.5	46.644	41	42.35	318	51.601	91	46.42	72
19.5	46.603	105	45.53	299	51.692	46	47.14	68
29.4	46.498	165	48.52	271	51.738	2	47.82	62
Juli 9.4	46.333	222	51.23	237	51.740	41	48.44	54
19.4	46.111	273	53.60	198	51.699	84	48.98	42
29.3	45.838	316	55.58	155	51.615	121	49.40	28
Aug. 8.3	45.522	351	57.13	107	51.494	153	49.68	13
18.3	45.171	377	58.20	58	51.341	179	49.81	4
28.3	44.794	392	58.78	8	51.162	194	49.77	21
Sept. 7.2	44.402	395	58.86	44	50.968	198	49.56	40
17.2	44.007	385	58.42	95	50.770	192	49.16	57
27.2	43.622	362	57.47	145	50.578	174	48.59	71
Okt. 7.1	43.260	327	56.02	193	50.404	144	47.88	83
17.1	42.933	279	54.09	237	50.260	104	47.05	91
27.1	42.654	220	51.72	277	50.156	55	46.14	94
Nov. 6.1	42.434	151	48.95	311	50.101	0	45.20	92
16.0	42.283	76	45.84	338	50.101	59	44.28	85
26.0	42.207	4	42.46	355	50.160	118	43.43	74
Dez. 6.0	42.211	85	38.91	363	50.278	174	42.69	60
16.0	42.296	165	35.28	358	50.452	227	42.09	42
25.9	42.461	238	31.70	344	50.679	272	41.67	25
35.9	42.699		28.26		50.951		41.42	
Mittl. Ort	43.261		47.08		47.018		36.99	
sec δ, tg δ	1.833		+1.536		1.208		−0.678	

Mittlere Zeit Greenw.	629) 49 Herculis AR.	Diff.	629) 49 Herculis Dekl.	Diff.	630) ζ² Scorpii AR.	Diff.	630) ζ² Scorpii Dekl.	Diff.	631) ζ Arae AR.	Diff.	631) ζ Arae Dekl.	Diff.	633) κ Ophiuchi AR.	Diff.	633) κ Ophiuchi Dekl.	Diff.
1917	$16^h 48^m$		+15° 6′		$16^h 48^m$		−42° 13′		$16^h 51^m$		−55° 51′		$16^h 53^m$		+9° 29′	
Jan. 0.9	17.744	232	36.74	231	43.975	325	12.54	57	44.128	403	35.30	128	44.031	229	63.85	206
10.9	17.976	262	34.43	216	44.300	362	11.97	34	44.531	451	34.02	98	44.260	258	61.79	195
20.9	18.238	283	32.27	192	44.662	387	11.63	12	44.982	488	33.04	67	44.518	279	59.84	176
30.8	18.521	298	30.35	161	45.049	403	11.51	9	45.470	512	32.37	35	44.797	294	58.08	150
Feb. 9.8	18.819	304	28.74	124	45.452	411	11.60	28	45.982	525	32.02	4	45.091	301	56.58	118
19.8	19.123	305	27.50	83	45.863	411	11.88	46	46.507	528	31.98	26	45.392	301	55.40	82
März 1.8	19.428	301	26.67	38	46.274	404	12.34	60	47.035	522	32.24	54	45.693	298	54.58	43
11.7	19.729	290	26.29	6	46.678	393	12.94	73	47.557	508	32.78	80	45.991	289	54.15	2
21.7	20.019	276	26.35	50	47.071	376	13.67	85	48.065	488	33.58	104	46.280	276	54.13	36
31.7	20.295	259	26.85	89	47.447	356	14.52	93	48.553	460	34.62	125	46.556	260	54.49	72
Apr. 10.7	20.554	238	27.74	125	47.803	331	15.45	101	49.013	428	35.87	143	46.816	240	55.21	105
20.6	20.792	214	28.99	154	48.134	303	16.46	109	49.441	389	37.30	160	47.056	219	56.26	131
30.6	21.006	187	30.53	176	48.437	270	17.55	114	49.830	345	38.90	173	47.275	193	57.57	151
Mai 10.6	21.193	159	32.29	192	48.707	233	18.69	117	50.175	295	40.63	183	47.468	165	59.08	167
20.5	21.352	126	34.21	201	48.940	192	19.86	120	50.470	240	42.46	188	47.633	135	60.75	175
30.5	21.478	92	36.22	204	49.132	149	21.06	120	50.710	180	44.34	191	47.768	102	62.50	177
Juni 9.5	21.570	57	38.26	199	49.281	101	22.26	118	50.890	117	46.25	189	47.870	67	64.27	175
19.5	21.627	20	40.25	190	49.382	52	23.44	112	51.007	52	48.14	181	47.937	30	66.02	167
29.4	21.647	17	42.15	177	49.434	2	24.56	103	51.059	15	49.95	169	47.967	6	67.69	156
Juli 9.4	21.630	52	43.92	158	49.436	48	25.59	91	51.044	79	51.64	151	47.961	42	69.25	140
19.4	21.578	87	45.50	137	49.388	94	26.50	76	50.965	141	53.15	129	47.919	77	70.65	123
29.4	21.491	118	46.87	113	49.294	137	27.26	57	50.824	197	54.44	101	47.842	108	71.88	102
Aug. 8.3	21.373	144	48.00	87	49.157	174	27.83	35	50.627	243	55.45	70	47.734	135	72.90	81
18.3	21.229	165	48.87	59	48.983	202	28.18	11	50.384	279	56.15	35	47.599	157	73.71	58
28.3	21.064	178	49.46	31	48.781	218	28.29	15	50.105	301	56.50	2	47.442	171	74.29	33
Sept. 7.2	20.886	182	49.77	1	48.563	224	28.14	40	49.804	309	56.48	41	47.271	176	74.62	9
17.2	20.704	178	49.78	29	48.339	218	27.74	65	49.495	301	56.07	78	47.095	172	74.71	17
27.2	20.526	165	49.49	59	48.121	199	27.09	88	49.194	275	55.29	113	46.923	160	74.54	43
Okt. 7.2	20.361	142	48.90	90	47.922	166	26.21	107	48.919	234	54.16	145	46.763	138	74.11	69
17.1	20.219	109	48.00	120	47.756	122	25.14	122	48.685	177	52.71	170	46.625	107	73.42	96
27.1	20.110	70	46.80	148	47.634	68	23.92	132	48.508	109	51.01	190	46.518	69	72.46	121
Nov. 6.1	20.040	26	45.32	175	47.566	8	22.60	135	48.399	32	49.11	202	46.449	24	71.25	146
16.1	20.014	23	43.57	198	47.558	57	21.25	133	48.367	52	47.09	205	46.425	23	69.79	167
26.0	20.037	73	41.59	217	47.615	122	19.92	124	48.419	137	45.04	202	46.448	72	68.12	186
Dez. 6.0	20.110	122	39.42	230	47.737	186	18.68	110	48.556	218	43.02	189	46.520	120	66.26	200
16.0	20.232	166	37.12	236	47.923	244	17.58	93	48.774	295	41.13	170	46.640	165	64.26	207
25.9	20.398	208	34.76	235	48.167	294	16.65	71	49.069	361	39.43	146	46.805	205	62.19	209
35.9	20.606		32.41		48.461		15.94		49.430		37.97		47.010		60.10	
Mittl. Ort	18.080		45.26		44.265		13.13		44.743		37.50		44.319		71.31	
sec δ, tg δ	1.036		+0.270		1.350		−0.907		1.782		−1.475		1.014		+0.167	

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Mittlere Zeit Greenw.	634) ε Herculis AR.		634) ε Herculis Dekl.		637) η Ophiuchi AR.		637) η Ophiuchi Dekl.	
1917	16h 57m		+31° 2′		17h 5m		−15° 37′	
Jan. 0.9	6.161 s	225	42.12 ″	286	36.797 s	243	26.98 ″	76
10.9	6.386	261	39.26	264	37.040	273	27.74	80
20.9	6.647	289	36.62	232	37.313	295	28.54	80
30.9	6.936	309	34.30	190	37.608	309	29.34	77
Feb. 9.8	7.245	321	32.40	141	37.917	317	30.11	69
19.8	7.566	326	30.99	89	38.234	319	30.80	58
März 1.8	7.892	323	30.10	32	38.553	316	31.38	45
11.7	8.215	313	29.78	25	38.869	310	31.83	29
21.7	8.528	300	30.03	79	39.179	298	32.12	14
31.7	8.828	280	30.82	129	39.477	285	32.26	0
Apr. 10.7	9.108	255	32.11	173	39.762	268	32.26	13
20.6	9.363	228	33.84	210	40.030	248	32.13	24
30.6	9.591	197	35.94	238	40.278	225	31.89	32
Mai 10.6	9.788	162	38.32	258	40.503	198	31.57	38
20.6	9.950	125	40.90	270	40.701	168	31.19	41
30.5	10.075	86	43.60	272	40.869	135	30.78	42
Juni 9.5	10.161	45	46.32	267	41.004	100	30.36	42
19.5	10.206	3	48.99	254	41.104	61	29.94	39
29.4	10.209	38	51.53	236	41.165	22	29.55	36
Juli 9.4	10.171	78	53.89	212	41.187	17	29.19	34
19.4	10.093	116	56.01	182	41.170	55	28.85	31
29.4	9.977	150	57.83	149	41.115	91	28.54	28
Aug. 8.3	9.827	179	59.32	114	41.024	121	28.26	27
18.3	9.648	202	60.46	75	40.903	145	27.99	25
28.3	9.446	216	61.21	35	40.758	163	27.74	25
Sept. 7.3	9.230	223	61.56	6	40.595	171	27.49	23
17.2	9.007	219	61.50	47	40.424	169	27.26	22
27.2	8.788	205	61.03	88	40.255	157	27.04	19
Okt. 7.2	8.583	182	60.15	129	40.098	135	26.85	14
17.1	8.401	150	58.86	168	39.963	104	26.71	9
27.1	8.251	110	57.18	203	39.859	64	26.62	1
Nov. 6.1	8.141	62	55.15	236	39.795	18	26.61	10
16.1	8.079	9	52.79	263	39.777	31	26.71	22
26.0	8.070	44	50.16	284	39.808	82	26.93	35
Dez. 6.0	8.114	98	47.32	297	39.890	131	27.28	48
16.0	8.212	149	44.35	301	40.021	178	27.76	60
26.0	8.361	196	41.34	294	40.199	218	28.36	69
35.9	8.557		38.40		40.417		29.05	
Mittl. Ort	6.809		52.32		36.976		23.51	
sec δ, tg δ	1.167		+0.602		1.038		−0.280	

Mittlere Zeit Greenw.	639) ζ Draconis AR.		639) ζ Draconis Dekl.		640) α Herculis AR.		640) α Herculis Dekl.	
1917	17h 8m		+65° 48′		17h 10m		+14° 28′	
Jan. 0.9	29.69 s	27	48.55 ″	341	51.333 s	212	55.03 ″	225
10.9	29.96	37	45.14	310	51.545	245	52.78	213
20.9	30.33	44	42.04	268	51.790	269	50.65	191
30.9	30.77	51	39.36	217	52.059	286	48.74	163
Feb. 9.8	31.28	55	37.19	157	52.345	297	47.11	127
19.8	31.83	57	35.62	92	52.642	302	45.84	87
März 1.8	32.40	58	34.70	23	52.944	300	44.97	43
11.7	32.98	57	34.47	44	53.244	295	44.54	1
21.7	33.55	54	34.91	110	53.539	284	44.55	44
31.7	34.09	50	36.01	170	53.823	270	44.99	85
Apr. 10.7	34.59	44	37.71	223	54.093	253	45.84	121
20.6	35.03	38	39.94	267	54.346	231	47.05	151
30.6	35.41	30	42.61	301	54.577	206	48.56	175
Mai 10.6	35.71	22	45.62	325	54.783	179	50.31	193
20.6	35.93	13	48.87	339	54.962	148	52.24	204
30.5	36.06	5	52.26	341	55.110	114	54.28	207
Juni 9.5	36.11	5	55.67	335	55.224	78	56.35	205
19.5	36.06	14	59.02	319	55.302	41	58.40	197
29.4	35.92	21	62.21	295	55.343	2	60.37	184
Juli 9.4	35.71	30	65.16	264	55.345	35	62.21	167
19.4	35.41	37	67.80	227	55.310	73	63.88	147
29.4	35.04	43	70.07	185	55.237	106	65.35	124
Aug. 8.3	34.61	49	71.92	139	55.131	135	66.59	98
18.3	34.12	52	73.31	89	54.996	159	67.57	71
28.3	33.60	55	74.20	39	54.837	175	68.28	44
Sept. 7.3	33.05	56	74.59	14	54.662	184	68.72	14
17.2	32.49	55	74.45	66	54.478	183	68.86	16
27.2	31.94	53	73.79	118	54.295	173	68.70	46
Okt. 7.2	31.41	50	72.61	169	54.122	153	68.24	76
17.1	30.91	44	70.92	216	53.969	124	67.48	106
27.1	30.47	37	68.76	258	53.845	88	66.42	134
Nov. 6.1	30.10	29	66.18	297	53.757	45	65.08	162
16.1	29.81	20	63.21	328	53.712	2	63.46	185
26.0	29.61	10	59.93	350	53.714	51	61.61	206
Dez. 6.0	29.51	1	56.43	362	53.765	99	59.55	220
16.0	29.52	12	52.81	364	53.864	146	57.35	228
26.0	29.64	21	49.17	352	54.010	187	55.07	228
35.9	29.85		45.65		54.197		52.79	
Mittl. Ort	32.61		60.42		51.725		62.45	
sec δ, tg δ	2.441		+2.227		1.033		+0.258	

Mittlere Zeit Greenw.	641) δ Herculis AR.		641) δ Herculis Dekl.		643) π Herculis AR.		643) π Herculis Dekl.		644) ϑ Ophiuchi AR.		644) ϑ Ophiuchi Dekl.		645) β Arae AR.		645) β Arae Dekl.	
1917	17h 11m		+24° 55′		17h 12m		+36° 53′		17h 16m		−24° 55′		17h 18m		−55° 27′	
Jan. 0.9	36.747	210	62.02	268	8.477	211	57.45	305	54.403	249	6.26	17	23.125	362	9.29	150
10.9	36.957	244	59.34	250	8.688	253	54.40	282	54.652	281	6.43	26	23.487	416	7.79	126
20.9	37.201	273	56.84	222	8.941	286	51.58	248	54.933	306	6.69	34	23.903	458	6.53	98
30.9	37.474	292	54.62	186	9.227	312	49.10	206	55.239	323	7.03	38	24.361	488	5.55	69
Feb. 9.8	37.766	306	52.76	143	9.539	329	47.04	156	55.562	333	7.41	39	24.849	508	4.86	40
19.8	38.072	312	51.33	94	9.868	338	45.48	99	55.895	337	7.80	38	25.357	518	4.46	12
März 1.8	38.384	311	50.39	43	10.206	338	44.49	39	56.232	337	8.18	34	25.875	519	4.34	15
11.7	38.695	306	49.96	10	10.544	333	44.10	20	56.569	331	8.52	30	26.394	513	4.49	42
21.7	39.001	294	50.06	61	10.877	320	44.30	78	56.900	322	8.82	24	26.907	498	4.91	67
31.7	39.295	279	50.67	108	11.197	301	45.08	133	57.222	309	9.06	18	27.405	477	5.58	89
Apr. 10.7	39.574	259	51.75	151	11.498	277	46.41	180	57.531	292	9.24	14	27.882	451	6.47	110
20.6	39.833	235	53.26	187	11.775	249	48.21	221	57.823	273	9.38	11	28.333	418	7.57	130
30.6	40.068	208	55.13	215	12.024	216	50.42	254	58.096	250	9.49	8	28.751	378	8.87	147
Mai 10.6	40.276	177	57.28	236	12.240	179	52.96	277	58.346	222	9.57	8	29.129	332	10.34	160
20.6	40.453	143	59.64	248	12.419	139	55.73	290	58.568	191	9.65	7	29.461	280	11.94	171
30.5	40.596	107	62.12	253	12.558	96	58.63	295	58.759	156	9.72	10	29.741	222	13.65	179
Juni 9.5	40.703	67	64.65	249	12.654	52	61.58	292	58.915	118	9.82	10	29.963	160	15.44	181
19.5	40.770	28	67.14	240	12.706	7	64.50	280	59.033	77	9.92	12	30.123	93	17.25	180
29.4	40.798	13	69.54	224	12.713	39	67.30	261	59.110	35	10.04	13	30.216	26	19.05	173
Juli 9.4	40.785	52	71.78	204	12.674	83	69.91	236	59.145	8	10.17	13	30.242	41	20.78	160
19.4	40.733	91	73.82	178	12.591	124	72.27	207	59.137	50	10.30	11	30.201	107	22.38	143
29.4	40.642	126	75.60	149	12.467	162	74.34	172	59.087	88	10.41	7	30.094	167	23.81	120
Aug. 8.3	40.516	155	77.09	117	12.305	194	76.06	133	58.999	123	10.48	2	29.927	220	25.01	92
18.3	40.361	180	78.26	83	12.111	220	77.39	93	58.876	151	10.50	4	29.707	262	25.93	61
28.3	40.181	197	79.09	47	11.891	238	78.32	50	58.725	171	10.46	11	29.445	292	26.54	25
Sept. 7.3	39.984	206	79.56	10	11.653	247	78.82	6	58.554	181	10.35	20	29.153	308	26.79	12
17.2	39.778	204	79.66	28	11.406	246	78.88	39	58.373	181	10.15	28	28.845	307	26.67	50
27.2	39.574	194	79.38	66	11.160	234	78.49	84	58.192	171	9.87	35	28.538	291	26.17	86
Okt. 7.2	39.380	174	78.72	102	10.926	213	77.65	127	58.021	149	9.52	40	28.247	256	25.31	120
17.1	39.206	144	77.70	139	10.713	181	76.38	170	57.872	117	9.12	43	27.991	207	24.11	150
27.1	39.062	107	76.31	174	10.532	141	74.68	210	57.755	76	8.69	43	27.784	145	22.61	174
Nov. 6.1	38.955	63	74.57	205	10.391	93	72.58	244	57.679	28	8.26	40	27.639	72	20.87	191
16.1	38.892	13	72.52	232	10.298	39	70.14	275	57.651	23	7.86	34	27.567	8	18.96	201
26.0	38.879	37	70.20	254	10.259	17	67.39	297	57.674	76	7.52	25	27.575	90	16.95	202
Dez. 6.0	38.916	88	67.66	269	10.276	73	64.42	313	57.750	129	7.27	14	27.665	172	14.93	196
16.0	39.004	138	64.97	275	10.349	129	61.29	318	57.879	178	7.13	2	27.837	249	12.97	184
26.0	39.142	182	62.22	273	10.478	180	58.11	312	58.057	221	7.11	9	28.086	318	11.13	166
35.9	39.324		59.49		10.658		54.99		58.278		7.20		28.404		9.47	
Mittl. Ort	37.311		70.61		9.341		67.19		54.612		3.99		23.788		10.32	
sec δ, tg δ	1.103		+0.465		1.251		+0.751		1.103		−0.465		1.763		−1.452	

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Mittlere Zeit Greenw.	648) δ Arae				651) α Arae				652) λ Scorpii				653) β Draconis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	17h 23m		−60° 36′		17h 25m		−49° 48′		17h 27m		−37° 2′		17h 28m		+52° 21′	
Jan. 0.9	35.26s	39	56.39″	180	24.850s	318	42.07″	127	57.892s	266	40.95″	59	31.754s	202	35.03″	338
10.9	35.65	47	54.59	154	25.168	366	40.80	107	58.158	305	40.36	44	31.956	263	31.65	314
20.9	36.12	51	53.05	124	25.534	404	39.73	83	58.463	335	39.92	30	32.219	313	28.51	279
30.9	36.63	54	51.81	92	25.938	431	38.90	59	58.798	356	39.62	17	32.532	355	25.72	232
Feb. 9.8	37.17	58	50.89	60	26.369	449	38.31	35	59.154	370	39.45	4	32.887	385	23.40	178
19.8	37.75	59	50.29	27	26.818	458	37.96	13	59.524	378	39.41	7	33.272	405	21.62	116
März 1.8	38.34	59	50.02	5	27.276	461	37.83	10	59.902	379	39.48	17	33.677	414	20.46	51
11.8	38.93	58	50.07	35	27.737	456	37.93	31	60.281	375	39.65	24	34.091	411	19.95	14
21.7	39.51	58	50.42	64	28.193	446	38.24	51	60.656	367	39.89	31	34.502	399	20.09	80
31.7	40.09	55	51.06	93	28.639	429	38.75	69	61.023	355	40.20	38	34.901	378	20.89	141
Apr. 10.7	40.64	52	51.99	118	29.068	407	39.44	86	61.378	337	40.58	45	35.279	347	22.30	195
20.6	41.16	48	53.17	140	29.475	380	40.30	102	61.715	317	41.03	52	35.626	309	24.25	241
30.6	41.64	43	54.57	161	29.855	346	41.32	117	62.032	291	41.55	58	35.935	265	26.66	280
Mai 10.6	42.07	38	56.18	179	30.201	308	42.49	129	62.323	260	42.13	64	36.200	214	29.46	307
20.6	42.45	32	57.97	192	30.509	263	43.78	139	62.583	226	42.77	71	36.414	161	32.53	326
30.5	42.77	26	59.89	201	30.772	213	45.17	147	62.809	186	43.48	75	36.575	103	35.79	333
Juni 9.5	43.03	18	61.90	205	30.985	159	46.64	151	62.995	143	44.23	78	36.678	43	39.12	332
19.5	43.21	11	63.95	204	31.144	101	48.15	150	63.138	95	45.01	80	36.721	17	42.44	321
29.5	43.32	2	65.99	198	31.245	41	49.65	147	63.233	47	45.81	80	36.704	76	45.65	302
Juli 9.4	43.34	5	67.97	185	31.286	20	51.12	137	63.280	2	46.61	75	36.628	134	48.67	277
19.4	43.29	13	69.82	166	31.266	78	52.49	123	63.278	50	47.36	68	36.494	188	51.44	244
29.4	43.16	19	71.48	140	31.188	132	53.72	105	63.228	96	48.04	58	36.306	237	53.88	206
Aug. 8.3	42.97	26	72.88	111	31.056	181	54.77	82	63.132	137	48.62	44	36.069	278	55.94	165
18.3	42.71	31	73.99	76	30.875	221	55.59	55	62.995	170	49.06	29	35.791	313	57.59	119
28.3	42.40	34	74.75	37	30.654	250	56.14	26	62.825	194	49.35	10	35.478	337	58.78	71
Sept. 7.3	42.06	36	75.12	4	30.404	265	56.40	7	62.631	208	49.45	10	35.141	350	59.49	21
17.2	41.70	37	75.08	46	30.139	267	56.33	40	62.423	210	49.35	31	34.791	353	59.70	31
27.2	41.33	34	74.62	88	29.872	254	55.93	71	62.213	200	49.04	50	34.438	342	59.39	81
Okt. 7.2	40.99	31	73.74	126	29.618	226	55.22	101	62.013	178	48.54	68	34.096	319	58.58	131
17.2	40.68	26	72.48	160	29.392	184	54.21	127	61.835	144	47.86	83	33.777	285	57.27	179
27.1	40.42	18	70.88	189	29.208	129	52.94	148	61.691	99	47.03	94	33.492	239	55.48	225
Nov. 6.1	40.24	10	68.99	210	29.079	66	51.46	162	61.592	47	46.09	101	33.253	183	53.23	264
16.1	40.14	2	66.89	224	29.013	4	49.84	171	61.545	11	45.08	102	33.070	119	50.59	299
26.1	40.12	8	64.65	228	29.017	77	48.13	173	61.556	70	44.06	100	32.951	51	47.60	326
Dez. 6.0	40.20	18	62.37	224	29.094	149	46.40	167	61.626	129	43.06	93	32.900	20	44.34	344
16.0	40.38	26	60.13	213	29.243	218	44.73	156	61.755	184	42.13	83	32.920	92	40.90	350
26.0	40.64	35	58.00	195	29.461	280	43.17	141	61.939	235	41.30	69	33.012	161	37.40	346
35.9	40.99		56.05		29.741		41.76		62.174		40.61		33.173		33.94	
Mittl. Ort	36.15		57.62		25.358		42.30		58.195		39.87		33.399		44.41	
sec δ, tg δ	2.038		−1.776		1.550		−1.184		1.253		−0.755		1.638		+1.297	

Mittlere Zeit Greenw.	656) α Ophiuchi				654) ϑ Scorpii				658) ξ Serpentis				663) ι Herculis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$17^h\,31^m$		$+12°\,36'$		$17^h\,31^m$		$-42°\,56'$		$17^h\,32^m$		$-15°\,20'$		$17^h\,37^m$		$+46°\,2'$	
Jan. 0.9	$4^s.437$	195	$63''.89$	214	$20^s.741$	282	$47''.35$	95	$49^s.737$	219	$53''.96$	64	$5^s.962$	185	$51''.04$	329
10.9	4.632	229	61.75	205	21.023	324	46.40	78	49.956	251	54.60	67	6.147	238	47.75	308
20.9	4.861	255	59.70	185	21.347	358	45.62	60	50.207	276	55.27	67	6.385	283	44.67	275
30.9	5.116	275	57.85	159	21.705	382	45.02	41	50.483	294	55.94	63	6.668	319	41.92	233
Feb. 9.8	5.391	289	56.26	127	22.087	398	44.61	25	50.777	306	56.57	54	6.987	346	39.59	181
19.8	5.680	296	54.99	89	22.485	408	44.36	8	51.083	313	57.11	42	7.333	364	37.78	122
März 1.8	5.976	298	54.10	47	22.893	410	44.28	8	51.396	315	57.53	29	7.697	373	36.56	60
11.8	6.274	296	53.63	5	23.303	407	44.36	22	51.711	312	57.82	14	8.070	373	35.96	4
21.7	6.570	290	53.58	37	23.710	399	44.58	35	52.023	306	57.96	1	8.443	364	36.00	67
31.7	6.860	278	53.95	78	24.109	385	44.93	47	52.329	296	57.95	16	8.807	347	36.67	127
Apr. 10.7	7.138	264	54.73	113	24.494	368	45.40	59	52.625	282	57.79	28	9.154	324	37.94	181
20.7	7.402	245	55.86	144	24.862	345	45.99	71	52.907	266	57.51	39	9.478	293	39.75	227
30.6	7.647	223	57.30	168	25.207	317	46.70	82	53.173	246	57.12	47	9.771	257	42.02	266
Mai 10.6	7.870	198	58.98	186	25.524	284	47.52	91	53.419	221	56.65	51	10.028	216	44.68	294
20.6	8.068	167	60.84	198	25.808	245	48.43	100	53.640	192	56.14	54	10.244	169	47.62	314
30.5	8.235	135	62.82	203	26.053	203	49.43	106	53.832	160	55.60	53	10.413	119	50.76	323
Juni 9.5	8.370	99	64.85	202	26.256	155	50.49	111	53.992	124	55.07	50	10.532	68	53.99	323
19.5	8.469	61	66.87	195	26.411	104	51.60	113	54.116	86	54.57	47	10.600	14	57.22	315
29.5	8.530	22	68.82	184	26.515	50	52.73	111	54.202	46	54.10	42	10.614	39	60.37	298
Juli 9.4	8.552	17	70.66	169	26.565	3	53.84	105	54.248	4	53.68	37	10.575	92	63.35	274
19.4	8.535	56	72.35	149	26.562	56	54.89	96	54.252	36	53.31	32	10.483	141	66.09	244
29.4	8.479	92	73.84	128	26.506	106	55.85	82	54.216	74	52.99	27	10.342	187	68.53	209
Aug. 8.4	8.387	123	75.12	104	26.400	150	56.67	65	54.142	109	52.72	23	10.155	226	70.62	170
18.3	8.264	150	76.16	78	26.250	186	57.32	45	54.033	137	52.49	21	9.929	259	72.32	126
28.3	8.114	169	76.94	52	26.064	214	57.77	21	53.896	158	52.28	18	9.670	284	73.58	81
Sept. 7.3	7.945	181	77.46	24	25.850	230	57.98	5	53.738	171	52.10	17	9.386	298	74.39	33
17.2	7.764	184	77.70	4	25.620	232	57.93	31	53.567	174	51.93	15	9.088	301	74.72	17
27.2	7.580	176	77.66	33	25.388	222	57.62	56	53.393	166	51.78	12	8.787	294	74.55	65
Okt. 7.2	7.404	160	77.33	62	25.166	198	57.06	80	53.227	148	51.66	9	8.493	275	73.90	114
17.2	7.244	133	76.71	90	24.968	162	56.26	101	53.079	121	51.57	4	8.218	245	72.76	161
27.1	7.111	100	75.81	118	24.806	115	55.25	118	52.958	86	51.53	2	7.973	205	71.15	205
Nov. 6.1	7.011	59	74.63	145	24.691	59	54.07	128	52.872	42	51.55	10	7.768	155	69.10	246
16.1	6.952	14	73.18	169	24.632	3	52.79	134	52.830	6	51.65	20	7.613	99	66.64	281
26.1	6.938	34	71.49	189	24.635	68	51.45	135	52.836	54	51.85	31	7.514	39	63.83	309
Dez. 6.0	6.972	82	69.60	204	24.703	131	50.10	129	52.890	104	52.16	42	7.475	25	60.74	328
16.0	7.054	127	67.56	214	24.834	192	48.81	120	52.994	150	52.58	51	7.500	88	57.46	337
26.0	7.181	169	65.42	216	25.026	247	47.61	106	53.144	192	53.09	60	7.588	149	54.09	335
35.9	7.350		63.26		25.273		46.55		53.336		53.69		7.737		50.74	
Mittl. Ort	4.852		70.18		21.124		46.74		49.965		50.55		7.275		59.34	
sec δ, tg δ	1.025		+0.224		1.366		−0.931		1.037		−0.274		1.441		+1.037	

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	664) ω Draconis				661) η Pavonis				665) β Ophiuchi				667) μ Herculis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	17h 37m		+68° 47′		17h 37m		−64° 40′		17h 39m		+4° 35′		17h 43m		+27° 45′	
Jan. 1.0	22.40	23	38.24	347	33.79	41	67.31	211	21.958	192	58.21	172	11.841	177	59.55	278
10.9	22.63	33	34.77	324	34.20	49	65.20	186	22.150	225	56.49	166	12.018	216	56.77	263
20.9	22.96	43	31.53	288	34.69	56	63.34	156	22.375	251	54.83	152	12.234	249	54.14	239
30.9	23.39	51	28.65	242	35.25	60	61.78	124	22.626	271	53.31	132	12.483	275	51.75	204
Feb. 9.8	23.90	57	26.23	187	35.85	64	60.54	90	22.897	285	51.99	106	12.758	293	49.71	162
19.8	24.47	62	24.36	124	36.49	66	59.64	55	23.182	293	50.93	76	13.051	307	48.09	113
März 1.8	25.09	64	23.12	57	37.15	67	59.09	20	23.475	296	50.17	42	13.358	312	46.96	60
11.8	25.73	64	22.55	11	37.82	67	58.89	14	23.771	295	49.75	7	13.670	313	46.36	7
21.7	26.37	63	22.66	77	38.49	65	59.03	47	24.066	290	49.68	29	13.983	307	46.29	48
31.7	27.00	59	23.43	141	39.14	63	59.50	79	24.356	280	49.97	62	14.290	297	46.77	98
Apr. 10.7	27.59	54	24.84	197	39.77	61	60.29	108	24.636	268	50.59	91	14.587	281	47.75	145
20.7	28.13	47	26.81	247	40.38	56	61.37	136	24.904	252	51.50	118	14.868	260	49.20	185
30.6	28.60	39	29.28	286	40.94	51	62.73	160	25.156	232	52.68	138	15.128	236	51.05	219
Mai 10.6	28.99	30	32.14	316	41.45	45	64.33	181	25.388	207	54.06	153	15.364	206	53.24	243
20.6	29.29	21	35.30	337	41.90	39	66.14	199	25.595	179	55.59	162	15.570	172	55.67	260
30.5	29.50	11	38.67	346	42.29	31	68.13	212	25.774	148	57.21	167	15.742	136	58.27	268
Juni 9.5	29.61	0	42.13	346	42.60	22	70.25	219	25.922	113	58.88	165	15.878	97	60.95	270
19.5	29.61	10	45.59	336	42.82	14	72.44	222	26.035	76	60.53	160	15.975	54	63.65	262
29.5	29.51	20	48.95	318	42.96	4	74.66	217	26.111	37	62.13	150	16.029	10	66.27	249
Juli 9.4	29.31	30	52.13	292	43.00	4	76.83	206	26.148	2	63.63	137	16.039	32	68.76	230
19.4	29.01	38	55.05	260	42.96	13	78.89	189	26.146	41	65.00	123	16.007	74	71.06	206
29.4	28.63	46	57.65	221	42.83	21	80.78	164	26.105	78	66.23	105	15.933	113	73.12	177
Aug. 8.4	28.17	53	59.86	179	42.62	29	82.42	134	26.027	111	67.28	87	15.820	148	74.89	145
18.3	27.64	58	61.65	132	42.33	35	83.76	98	25.916	138	68.15	67	15.672	177	76.34	110
28.3	27.06	62	62.97	82	41.98	40	84.74	58	25.778	159	68.82	47	15.495	199	77.44	73
Sept. 7.3	26.44	65	63.79	31	41.58	42	85.32	14	25.619	172	69.29	26	15.296	213	78.17	35
17.2	25.79	65	64.10	22	41.16	43	85.46	32	25.447	176	69.55	4	15.083	218	78.52	5
27.2	25.14	63	63.88	74	40.73	41	85.14	76	25.271	171	69.59	17	14.865	212	78.47	45
Okt. 7.2	24.51	60	63.14	127	40.32	38	84.38	120	25.100	154	69.42	39	14.653	197	78.02	84
17.2	23.91	55	61.87	177	39.94	32	83.18	158	24.946	129	69.03	61	14.456	172	77.18	124
27.1	23.36	49	60.10	224	39.62	24	81.60	192	24.817	97	68.42	84	14.284	138	75.94	161
Nov. 6.1	22.87	41	57.86	266	39.38	16	79.68	219	24.720	57	67.58	105	14.146	96	74.33	196
16.1	22.46	31	55.20	303	39.22	5	77.49	237	24.663	13	66.53	125	14.050	50	72.37	227
26.1	22.15	20	52.17	331	39.17	5	75.12	247	24.650	34	65.28	143	14.000	1	70.10	252
Dez. 6.0	21.95	8	48.86	350	39.22	16	72.65	247	24.684	81	63.85	158	13.999	51	67.58	270
16.0	21.87	4	45.36	358	39.38	26	70.18	240	24.765	125	62.27	168	14.050	100	64.88	281
26.0	21.91	15	41.78	355	39.64	35	67.78	224	24.890	167	60.59	171	14.150	148	62.07	281
35.9	22.06		38.23		39.99		65.54		25.057		58.88		14.298		59.26	
Mittl. Ort	26.10		47.17		34.96		68.15		22.299		63.43		12.546		66.36	
sec δ, tg δ	2.765		+2.578		2.339		−2.114		1.003		+0.080		1.130		+0.526	

Mittlere Zeit Greenw.	670) ψ Drac. austr. AR.		Dekl.		671) ξ Draconis AR.		Dekl.		675) 35 Draconis AR.		Dekl.		672) ϑ Herculis AR.		Dekl.	
1917	$17^h 43^m$		+72° 10′		$17^h 52^m$		+56° 52′		$17^h 53^m$		+76° 58′		$17^h 53^m$		+37° 15′	
Jan. 1.0	20.03	23	75.39	348	3.510	170	59.86	346	2.96	22	21.45	344	23.374	164	32.39	308
10.9	20.26	35	71.91	327	3.680	241	56.40	327	3.18	40	18.01	326	23.538	210	29.31	291
20.9	20.61	47	68.64	293	3.921	303	53.13	295	3.58	57	14.75	294	23.748	250	26.40	264
30.9	21.08	57	65.71	247	4.224	356	50.18	253	4.15	71	11.81	251	23.998	281	23.76	228
Feb. 9.8	21.65	65	63.24	193	4.580	398	47.65	200	4.86	83	9.30	199	24.279	306	21.48	181
19.8	22.30	71	61.31	131	4.978	428	45.65	141	5.69	92	7.31	140	24.585	324	19.67	128
März 1.8	23.01	75	60.00	66	5.406	446	44.24	77	6.61	97	5.91	75	24.909	334	18.39	70
11.8	23.76	75	59.34	2	5.852	452	43.47	9	7.58	100	5.16	9	25.243	337	17.69	11
21.7	24.51	73	59.36	69	6.304	446	43.38	57	8.58	98	5.07	58	25.580	333	17.58	49
31.7	25.24	69	60.05	132	6.750	428	43.95	121	9.56	93	5.65	121	25.913	322	18.07	106
Apr. 10.7	25.93	63	61.37	190	7.178	400	45.16	179	10.49	85	6.86	179	26.235	306	19.13	158
20.7	26.56	56	63.27	240	7.578	362	46.95	229	11.34	75	8.65	230	26.541	284	20.71	204
30.6	27.12	46	65.67	280	7.940	316	49.24	272	12.09	62	10.95	271	26.825	255	22.75	241
Mai 10.6	27.58	35	68.47	311	8.256	262	51.96	305	12.71	48	13.66	305	27.080	223	25.16	271
20.6	27.93	24	71.58	332	8.518	202	55.01	327	13.19	32	16.71	328	27.303	185	27.87	291
30.5	28.17	12	74.90	344	8.720	139	58.28	341	13.51	16	19.99	341	27.488	143	30.78	303
Juni 9.5	28.29	0	78.34	344	8.859	71	61.69	344	13.67	1	23.40	344	27.631	99	33.81	305
19.5	28.29	13	81.78	336	8.930	3	65.13	338	13.66	17	26.84	338	27.730	52	36.86	300
29.5	28.16	24	85.14	319	8.933	65	68.51	323	13.49	33	30.22	323	27.782	3	39.86	287
Juli 9.4	27.92	35	88.33	295	8.868	131	71.74	300	13.16	49	33.45	300	27.785	44	42.73	266
19.4	27.57	46	91.28	263	8.737	195	74.74	271	12.67	63	36.45	272	27.741	90	45.39	241
29.4	27.11	56	93.91	226	8.542	252	77.45	236	12.04	76	39.17	236	27.651	133	47.80	209
Aug. 8.4	26.55	63	96.17	184	8.290	302	79.81	196	11.28	86	41.53	196	27.518	172	49.89	174
18.3	25.92	69	98.01	138	7.988	345	81.77	151	10.42	96	43.49	151	27.346	205	51.63	136
28.3	25.23	75	99.39	89	7.643	377	83.28	104	9.46	103	45.00	104	27.141	230	52.99	93
Sept. 7.3	24.48	77	100.28	38	7.266	398	84.32	53	8.43	106	46.04	54	26.911	246	53.92	50
17.2	23.71	78	100.66	15	6.868	405	84.85	2	7.37	108	46.58	2	26.665	252	54.42	5
27.2	22.93	76	100.51	67	6.463	400	84.87	51	6.29	107	46.60	50	26.413	249	54.47	40
Okt. 7.2	22.17	74	99.84	119	6.063	382	84.36	102	5.22	104	46.10	102	26.164	235	54.07	86
17.2	21.43	68	98.65	170	5.681	349	83.34	153	4.18	97	45.08	152	25.929	209	53.21	130
27.1	20.75	60	96.95	217	5.332	305	81.81	202	3.21	88	43.56	200	25.720	175	51.91	173
Nov. 6.1	20.15	51	94.78	261	5.027	249	79.79	246	2.33	75	41.56	245	25.545	133	50.18	213
16.1	19.64	40	92.17	297	4.778	184	77.33	284	1.58	62	39.11	283	25.412	84	48.05	247
26.1	19.24	28	89.20	327	4.594	111	74.49	316	0.96	45	36.28	314	25.328	31	45.58	276
Dez. 6.0	18.96	14	85.93	348	4.483	34	71.33	338	0.51	28	33.14	337	25.297	24	42.82	297
16.0	18.82	0	82.45	357	4.449	45	67.95	350	0.23	8	29.77	349	25.321	78	39.85	309
26.0	18.82	13	78.88	355	4.494	122	64.45	351	0.15	10	26.28	349	25.399	132	36.76	310
35.9	18.95		75.33		4.616		60.94		0.25		22.79		25.531		33.66	
Mittl. Ort	24.67		83.69		5.601		67.08		9.75		28.64		24.368		38.92	
sec δ, tg δ	3.269		+3.113		1.830		+1.533		4.437		+4.323		1.256		+0.761	

Mittlere Zeit Greenw.	673) ν Ophiuchi AR.		673) ν Ophiuchi Dekl.		676) γ Draconis AR.		676) γ Draconis Dekl.		677) 67 Ophiuchi AR.		677) 67 Ophiuchi Dekl.		679) γ Sagittarii AR.		679) γ Sagittarii Dekl.	
	17ʰ 54ᵐ		−9° 45′		17ʰ 54ᵐ		+51° 29′		17ʰ 56ᵐ		+2° 55′		18ʰ 0ᵐ		−30° 25′	
1917	s		″		s		″		s		″		s		″	
Jan. 1.0	27.124	192	55.56	88	39.022	163	46.45	339	28.912	179	59.99	158	28.228	216	36.85	40
10.9	27.316	226	56.44	87	39.185	224	43.06	321	29.091	211	58.41	154	28.444	254	36.45	32
20.9	27.542	252	57.31	83	39.409	278	39.85	292	29.302	239	56.87	141	28.698	286	36.13	24
30.9	27.794	273	58.14	74	39.687	323	36.93	250	29.541	261	55.46	124	28.984	309	35.89	19
Feb. 9.9	28.067	288	58.88	60	40.010	359	34.43	199	29.802	277	54.22	100	29.293	328	35.70	14
19.8	28.355	298	59.48	43	40.369	386	32.44	142	30.079	288	53.22	71	29.621	340	35.56	11
März 1.8	28.653	303	59.91	24	40.755	400	31.02	78	30.367	293	52.51	39	29.961	346	35.45	10
11.8	28.956	304	60.15	3	41.155	406	30.24	12	30.660	295	52.12	6	30.307	349	35.35	8
21.7	29.260	302	60.18	18	41.561	402	30.12	53	30.955	293	52.06	28	30.656	347	35.27	7
31.7	29.562	295	60.00	38	41.963	387	30.65	115	31.248	287	52.34	60	31.003	341	35.20	6
Apr. 10.7	29.857	285	59.62	55	42.350	363	31.80	172	31.535	276	52.94	89	31.344	331	35.14	5
20.7	30.142	272	59.07	70	42.713	333	33.52	223	31.811	263	53.83	114	31.675	315	35.09	1
30.6	30.414	253	58.37	82	43.046	294	35.75	265	32.074	244	54.97	134	31.990	296	35.08	3
Mai 10.6	30.667	231	57.55	89	43.340	248	38.40	297	32.318	222	56.31	149	32.286	272	35.11	9
20.6	30.898	204	56.66	92	43.588	197	41.37	321	32.540	195	57.80	158	32.558	242	35.20	15
30.6	31.102	174	55.74	93	43.785	142	44.58	334	32.735	164	59.38	162	32.800	208	35.35	23
Juni 9.5	31.276	140	54.81	90	43.927	84	47.92	337	32.899	130	61.00	162	33.008	168	35.58	29
19.5	31.416	101	53.91	85	44.011	24	51.29	331	33.029	93	62.62	156	33.176	125	35.87	35
29.5	31.517	62	53.06	78	44.035	37	54.60	318	33.122	53	64.18	146	33.301	79	36.22	39
Juli 9.4	31.579	20	52.28	69	43.998	96	57.78	297	33.175	14	65.64	135	33.380	32	36.61	43
19.4	31.599	21	51.59	60	43.902	152	60.75	268	33.189	27	66.99	120	33.412	16	37.04	44
29.4	31.578	60	50.99	50	43.750	205	63.43	233	33.162	66	68.19	104	33.396	62	37.48	41
Aug. 8.4	31.518	96	50.49	42	43.545	251	65.76	195	33.096	100	69.23	86	33.334	103	37.89	37
18.3	31.422	127	50.07	33	43.294	289	67.71	151	32.996	130	70.09	68	33.231	140	38.26	29
28.3	31.295	150	49.74	24	43.005	319	69.22	105	32.866	153	70.77	48	33.091	169	38.55	19
Sept. 7.3	31.145	166	49.50	17	42.686	339	70.27	56	32.713	169	71.25	30	32.922	187	38.74	6
17.3	30.979	173	49.33	10	42.347	347	70.83	5	32.544	175	71.55	9	32.735	196	38.80	6
27.2	30.806	169	49.23	1	42.000	343	70.88	45	32.369	172	71.64	11	32.539	193	38.74	20
Okt. 7.2	30.637	155	49.22	7	41.657	325	70.43	97	32.197	159	71.53	32	32.346	177	38.54	33
17.2	30.482	132	49.29	16	41.332	297	69.46	146	32.038	137	71.21	52	32.169	152	38.21	44
27.1	30.350	99	49.45	26	41.035	258	68.00	194	31.901	106	70.69	72	32.017	116	37.77	54
Nov. 6.1	30.251	60	49.71	36	40.777	207	66.06	237	31.795	68	69.97	93	31.901	71	37.23	59
16.1	30.191	16	50.07	48	40.570	149	63.69	276	31.727	25	69.04	112	31.830	22	36.64	63
26.1	30.175	31	50.55	60	40.421	84	60.93	307	31.702	20	67.92	129	31.808	32	36.01	62
Dez. 6.0	30.206	78	51.15	70	40.337	16	57.86	330	31.722	66	66.63	143	31.840	85	35.39	58
16.0	30.284	124	51.85	78	40.321	53	54.56	343	31.788	110	65.20	153	31.925	138	34.81	53
26.0	30.408	165	52.63	85	40.374	121	51.13	344	31.898	152	63.67	158	32.063	184	34.28	46
36.0	30.573		53.48		40.495		47.69		32.050		62.09		32.247		33.82	
Mittl. Ort	27.392		51.86		40.702		53.32		29.261		64.51		28.513		34.55	
sec δ, tg δ	1.015		−0.172		1.606		+1.257		1.001		+0.051		1.160		−0.587	

Mittlere Zeit Greenw.	680) 72 Ophiuchi				681) o Herculis				682) μ Sagittarii				688) η Serpentis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	18ʰ 3ᵐ		+9° 32′		18ʰ 4ᵐ		+28° 44′		18ʰ 8ᵐ		−21° 4′		18ʰ 17ᵐ		−2° 55′	
1917	s		″		s		″		s		″		s		″	
Jan. 1.0	24.432	166	59.37	192	17.504	155	55.41	278	47.693	192	56.97	13	0.561	163	20.58	121
10.9	24.598	202	57.45	184	17.659	196	52.63	265	47.885	228	57.10	16	0.724	198	21.79	118
20.9	24.800	230	55.61	170	17.855	231	49.98	243	48.113	257	57.26	18	0.922	226	22.97	110
30.9	25.030	254	53.91	148	18.086	261	47.55	211	48.370	281	57.44	16	1.148	249	24.07	96
Feb. 9.9	25.284	272	52.43	119	18.347	283	45.44	170	48.651	299	57.60	12	1.397	268	25.03	78
19.8	25.556	284	51.24	85	18.630	300	43.74	123	48.950	311	57.72	6	1.665	282	25.81	54
März 1.8	25.840	291	50.39	47	18.930	310	42.51	71	49.261	319	57.78	— 2	1.947	290	26.35	28
11.8	26.131	295	49.92	8	19.240	315	41.80	16	49.580	322	57.76	10	2.237	295	26.63	1
21.8	26.426	293	49.84	— 32	19.555	313	41.64	— 39	49.902	322	57.66	20	2.532	295	26.64	— 27
31.7	26.719	288	50.16	70	19.868	306	42.03	91	50.224	317	57.46	28	2.827	293	26.37	54
Apr. 10.7	27.007	278	50.86	105	20.174	294	42.94	140	50.541	310	57.18	35	3.120	286	25.83	78
20.7	27.285	265	51.91	135	20.468	276	44.34	182	50.851	297	56.83	40	3.406	275	25.05	99
30.6	27.550	246	53.26	159	20.744	254	46.16	218	51.148	280	56.43	42	3.681	260	24.06	115
Mai 10.6	27.796	224	54.85	179	20.998	226	48.34	245	51.428	258	56.01	42	3.941	240	22.91	127
20.6	28.020	197	56.64	191	21.224	194	50.79	266	51.686	231	55.59	40	4.181	215	21.64	133
30.6	28.217	165	58.55	197	21.418	158	53.45	276	51.917	200	55.19	35	4.396	186	20.31	136
Juni 9.5	28.382	131	60.52	197	21.576	118	56.21	280	52.117	165	54.84	30	4.582	152	18.95	135
19.5	28.513	94	62.49	192	21.694	75	59.01	276	52.282	124	54.54	23	4.734	116	17.60	128
29.5	28.607	53	64.41	183	21.769	31	61.77	265	52.406	82	54.31	16	4.850	75	16.32	120
Juli 9.5	28.660	13	66.24	169	21.800	— 14	64.42	247	52.488	38	54.15	10	4.925	34	15.12	109
19.4	28.673	— 28	67.93	152	21.786	58	66.89	225	52.526	— 7	54.05	4	4.959	— 7	14.03	97
29.4	28.645	67	69.45	132	21.728	99	69.14	197	52.519	50	54.01	1	4.952	48	13.06	82
Aug. 8.4	28.578	103	70.77	111	21.629	137	71.11	165	52.469	90	54.00	— 2	4.904	85	12.24	68
18.3	28.475	133	71.88	88	21.492	169	72.76	132	52.379	124	54.02	3	4.819	118	11.56	53
28.3	28.342	157	72.76	63	21.323	195	74.08	94	52.255	152	54.05	1	4.701	144	11.03	38
Sept. 7.3	28.185	174	73.39	38	21.128	212	75.02	56	52.103	171	54.06	— 1	4.557	163	10.65	24
17.3	28.011	181	73.77	12	20.916	220	75.58	16	51.932	180	54.05	5	4.394	173	10.41	9
27.2	27.830	179	73.89	— 14	20.696	218	75.74	— 25	51.752	179	54.00	8	4.221	173	10.32	— 5
Okt. 7.2	27.651	167	73.75	40	20.478	206	75.49	66	51.573	166	53.92	12	4.048	163	10.37	20
17.2	27.484	146	73.35	67	20.272	185	74.83	106	51.407	144	53.80	15	3.885	143	10.57	35
27.2	27.338	117	72.68	92	20.087	154	73.77	145	51.263	112	53.65	16	3.742	115	10.92	50
Nov. 6.1	27.221	79	71.76	117	19.933	115	72.32	182	51.151	71	53.49	16	3.627	80	11.42	65
16.1	27.142	38	70.59	140	19.818	71	70.50	214	51.080	27	53.33	13	3.547	39	12.07	80
26.1	27.104	— 6	69.19	160	19.747	22	68.36	241	51.053	— 22	53.20	9	3.508	— 6	12.87	93
Dez. 6.0	27.110	53	67.59	176	19.725	— 27	65.95	263	51.075	72	53.11	2	3.514	50	13.80	106
16.0	27.163	98	65.83	187	19.752	78	63.32	276	51.147	119	53.09	— 3	3.564	95	14.86	115
26.0	27.261	140	63.96	191	19.830	125	60.56	280	51.266	163	53.12	9	3.659	136	16.01	119
36.0	27.401		62.05		19.955		57.76		51.429		53.21		3.795		17.20	
Mittl. Ort	24.857		63.99		18.269		60.80		47.954		54.05		0.882		16.95	
sec δ, tg δ	1.014		+0.168		1.141		+0.549		1.072		−0.386		1.001		−0.051	

Mittlere Zeit Greenw.	689) ε Sagittarii AR.		689) ε Sagittarii Dekl.		690) 109 Herculis AR.		690) 109 Herculis Dekl.		691) α Telescopii AR.		691) α Telescopii Dekl.		695) χ Draconis AR.		695) χ Draconis Dekl.	
1917	18h 18m		−34° 25′		18h 20m		+21° 43′		18h 20m		−46° 0′		18h 22m		+72° 41′	
Jan. 1.0	39.446 s	203	32.20 ″	73	9.016 s	143	47.60 ″	248	48.686 s	228	57.06 ″	144	28.26 s	10	45.80 ″	350
11.0	39.649	245	31.47	67	9.159	182	45.12	238	48.914	278	55.62	133	28.36	25	42.30	340
20.9	39.894	280	30.80	59	9.341	215	42.74	220	49.192	321	54.29	120	28.61	38	38.90	316
30.9	40.174	307	30.21	52	9.556	244	40.54	193	49.513	356	53.09	106	28.99	49	35.74	279
Feb. 9.9	40.481	329	29.69	45	9.800	266	38.61	158	49.869	382	52.03	90	29.48	59	32.95	232
19.8	40.810	345	29.24	39	10.066	283	37.03	116	50.251	402	51.13	74	30.07	68	30.63	177
März 1.8	41.155	356	28.85	35	10.349	295	35.87	70	50.653	416	50.39	58	30.75	73	28.86	115
11.8	41.511	361	28.50	29	10.644	302	35.17	20	51.069	423	49.81	41	31.48	77	27.71	48
21.8	41.872	363	28.21	24	10.946	303	34.97	30	51.492	425	49.40	24	32.25	77	27.23	19
31.7	42.235	359	27.97	18	11.249	300	35.27	77	51.917	421	49.16	8	33.02	75	27.42	84
Apr. 10.7	42.594	352	27.79	12	11.549	292	36.04	122	52.338	412	49.08	11	33.77	71	28.26	145
20.7	42.946	339	27.67	4	11.841	279	37.26	162	52.750	396	49.19	28	34.48	65	29.71	202
30.7	43.285	321	27.63	4	12.120	260	38.88	196	53.146	375	49.47	45	35.13	57	31.73	249
Mai 10.6	43.606	298	27.67	14	12.380	236	40.84	221	53.521	347	49.92	63	35.70	47	34.22	288
20.6	43.904	268	27.81	24	12.616	209	43.05	240	53.868	311	50.55	80	36.17	36	37.10	319
30.6	44.172	233	28.05	34	12.825	176	45.45	252	54.179	270	51.35	94	36.53	24	40.29	338
Juni 9.5	44.405	194	28.39	44	13.001	138	47.97	256	54.449	223	52.29	107	36.77	12	43.67	349
19.5	44.599	149	28.83	53	13.139	99	50.53	252	54.672	169	53.36	118	36.89	1	47.16	350
29.5	44.748	100	29.36	60	13.238	57	53.05	243	54.841	112	54.54	124	36.88	13	50.66	341
Juli 9.5	44.848	51	29.96	64	13.295	13	55.48	229	54.953	53	55.78	126	36.75	25	54.07	325
19.4	44.899	0	30.60	66	13.308	30	57.77	208	55.006	6	57.04	125	36.50	38	57.32	302
29.4	44.899	50	31.26	64	13.278	72	59.85	185	55.000	65	58.29	117	36.12	48	60.34	271
Aug. 8.4	44.849	96	31.90	58	13.206	110	61.70	157	54.935	118	59.46	104	35.64	57	63.05	235
18.4	44.753	136	32.48	50	13.096	143	63.27	126	54.817	167	60.50	88	35.07	66	65.40	193
28.3	44.617	169	32.98	38	12.953	171	64.53	95	54.650	205	61.38	67	34.41	72	67.33	148
Sept. 7.3	44.448	193	33.36	23	12.782	189	65.48	61	54.445	233	62.05	41	33.69	76	68.81	100
17.3	44.255	204	33.59	6	12.593	199	66.09	25	54.212	249	62.46	14	32.93	80	69.81	48
27.2	44.051	205	33.65	11	12.394	201	66.34	10	53.963	249	62.60	16	32.13	80	70.29	4
Okt. 7.2	43.846	193	33.54	29	12.193	191	66.24	47	53.714	237	62.44	45	31.33	78	70.25	59
17.2	43.653	170	33.25	46	12.002	172	65.77	83	53.477	209	61.99	73	30.55	75	69.66	111
27.2	43.483	136	32.79	60	11.830	145	64.94	117	53.268	170	61.26	99	29.80	69	68.55	163
Nov. 6.1	43.347	92	32.19	72	11.685	110	63.77	151	53.098	120	60.27	120	29.11	61	66.92	212
16.1	43.255	42	31.47	80	11.575	69	62.26	181	52.978	63	59.07	136	28.50	50	64.80	255
26.1	43.213	12	30.67	84	11.506	24	60.45	207	52.915	1	57.71	147	28.00	39	62.25	293
Dez. 6.1	43.225	66	29.83	85	11.482	23	58.38	227	52.916	66	56.24	153	27.61	27	59.32	324
16.0	43.291	120	28.98	83	11.505	69	56.11	242	52.982	129	54.71	154	27.34	13	56.08	343
26.0	43.411	171	28.15	78	11.574	115	53.69	247	53.111	190	53.17	148	27.21	2	52.65	351
36.0	43.582		27.37		11.689		51.22		53.301		51.69		27.23		49.14	
Mittl. Ort	39.766		29.79		9.645		51.74		49.156		55.03		33.27		49.70	
sec δ, tg δ	1.212		−0.685		1.076		+0.399		1.440		−1.036		3.362		+3.210	

Mittlere Zeit Greenw.	694) *b* Draconis				698) ζ Pavonis				699) α Lyrae				703) 110 Herculis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	18h 22m		+58° 44′		18h 33m		−71° 29′		18h 34m		+38° 42′		18h 42m		+20° 27′	
Jan. 1.0	39.567	117	64.12	348	18.69	37	66.34	277	6.582	115	17.36	306	4.746	121	54.83	236
11.0	39.684	192	60.64	336	19.06	48	63.57	264	6.697	165	14.30	298	4.867	160	52.47	231
20.9	39.876	263	57.28	311	19.54	58	60.93	242	6.862	208	11.32	277	5.027	194	50.16	215
30.9	40.139	327	54.17	275	20.12	68	58.51	216	7.070	247	8.55	246	5.221	225	48.01	190
Feb. 9.9	40.466	379	51.42	228	20.80	74	56.35	185	7.317	280	6.09	206	5.446	250	46.11	159
19.8	40.845	420	49.14	172	21.54	80	54.50	151	7.597	305	4.03	156	5.696	269	44.52	119
März 1.8	41.265	450	47.42	110	22.34	84	52.99	114	7.902	324	2.47	101	5.965	285	43.33	75
11.8	41.715	467	46.32	44	23.18	87	51.85	77	8.226	336	1.46	42	6.250	296	42.58	28
21.8	42.182	471	45.88	23	24.05	87	51.08	38	8.562	342	1.04	19	6.546	301	42.30	21
31.7	42.653	462	46.11	88	24.92	86	50.70	0	8.904	339	1.23	78	6.847	301	42.51	69
Apr. 10.7	43.115	441	46.99	149	25.78	85	50.70	39	9.243	331	2.01	133	7.148	297	43.20	114
20.7	43.556	409	48.48	205	26.63	82	51.09	76	9.574	315	3.34	183	7.445	288	44.34	153
30.7	43.965	367	50.53	252	27.45	76	51.85	112	9.889	293	5.17	227	7.733	273	45.87	187
Mai 10.6	44.332	316	53.05	290	28.21	70	52.97	145	10.182	264	7.44	262	8.006	252	47.74	215
20.6	44.648	257	55.95	320	28.91	62	54.42	174	10.446	230	10.06	289	8.258	227	49.89	236
30.6	44.905	192	59.15	340	29.53	52	56.16	200	10.676	190	12.95	307	8.485	195	52.25	248
Juni 9.5	45.097	123	62.55	349	30.05	42	58.16	221	10.866	145	16.02	316	8.680	160	54.73	254
19.5	45.220	50	66.04	350	30.47	31	60.37	235	11.011	98	19.18	317	8.840	121	57.27	253
29.5	45.270	24	69.54	341	30.78	19	62.72	243	11.109	48	22.35	310	8.961	79	59.80	245
Juli 9.5	45.246	96	72.95	324	30.97	6	65.15	243	11.157	3	25.45	294	9.040	35	62.25	232
19.4	45.150	166	76.19	300	31.03	6	67.58	237	11.154	53	28.39	274	9.075	9	64.57	214
29.4	44.984	232	79.19	270	30.97	19	69.95	221	11.101	101	31.13	247	9.066	52	66.71	192
Aug. 8.4	44.752	290	81.89	233	30.78	31	72.16	198	11.000	146	33.60	214	9.014	92	68.63	166
18.4	44.462	341	84.22	191	30.47	40	74.14	168	10.854	184	35.74	179	8.922	128	70.29	137
28.3	44.121	382	86.13	146	30.07	49	75.82	130	10.670	217	37.53	138	8.794	157	71.66	106
Sept. 7.3	43.739	411	87.59	97	29.58	55	77.12	86	10.453	240	38.91	95	8.637	180	72.72	73
17.3	43.328	427	88.56	46	29.03	59	77.98	39	10.213	254	39.86	51	8.457	193	73.45	40
27.2	42.901	430	89.02	6	28.44	61	78.37	11	9.959	258	40.37	5	8.264	198	73.85	5
Okt. 7.2	42.471	420	88.96	60	27.83	58	78.26	63	9.701	251	40.42	42	8.066	192	73.90	31
17.2	42.051	394	88.36	112	27.25	54	77.63	113	9.450	233	40.00	88	7.874	177	73.59	65
27.2	41.657	356	87.24	164	26.71	47	76.50	160	9.217	206	39.12	134	7.697	154	72.94	100
Nov. 6.1	41.301	305	85.60	212	26.24	37	74.90	200	9.011	170	37.78	178	7.543	121	71.94	134
16.1	40.996	244	83.48	255	25.87	25	72.90	234	8.841	127	36.00	217	7.422	83	70.60	163
26.1	40.752	173	80.93	292	25.62	13	70.56	261	8.714	77	33.83	250	7.339	41	68.97	190
Dez. 6.1	40.579	97	78.01	322	25.49	1	67.95	277	8.637	25	31.33	278	7.298	3	67.07	212
16.0	40.482	16	74.79	341	25.50	14	65.18	285	8.612	28	28.55	297	7.301	49	64.95	228
26.0	40.466	65	71.38	348	25.64	28	62.33	283	8.640	82	25.58	306	7.350	92	62.67	235
36.0	40.531		67.90		25.92		59.50		8.722		22.52		7.442		60.32	
Mittl. Ort	41.922		68.18		20.59		64.57		7.682		20.51		5.359		57.61	
sec δ, tg δ	1.928		+1.648		3.152		−2.989		1.281		+0.801		1.067		+0.373	

Mittlere Zeit Greenw.	704) λ Pavonis AR.		Dekl.		705) β Lyrae AR.		Dekl.		707) ο Draconis AR.		Dekl.		706) σ Sagittarii AR.		Dekl.	
1917	$18^h\,44^m$		−62° 16′		$18^h\,47^m$		+33° 15′		$18^h\,49^m$		+59° 16′		$18^h\,50^m$		−26° 23′	
Jan. 1.0	30.76	25	65.67	243	0.003	105	54.05	286	56.223	66	70.49	345	6.883	155	66.48	37
11.0	31.01	34	63.24	232	0.108	150	51.19	281	56.289	145	67.04	339	7.038	195	66.11	37
20.9	31.35	40	60.92	217	0.258	191	48.38	263	56.434	220	63.65	321	7.233	229	65.74	35
30.9	31.75	46	58.75	197	0.449	227	45.75	235	56.654	288	60.44	291	7.462	259	65.39	37
Feb. 9.9	32.21	51	56.78	173	0.676	258	43.40	198	56.942	348	57.53	249	7.721	282	65.02	37
19.9	32.72	55	55.05	147	0.934	284	41.42	153	57.290	398	55.04	198	8.003	300	64.65	41
März 1.8	33.27	58	53.58	118	1.218	303	39.89	102	57.688	437	53.06	139	8.303	316	64.24	45
11.8	33.85	60	52.40	88	1.521	316	38.87	46	58.125	463	51.67	75	8.619	326	63.79	49
21.8	34.45	61	51.52	56	1.837	323	38.41	12	58.588	476	50.92	9	8.945	333	63.30	53
31.7	35.06	61	50.96	25	2.160	325	38.53	67	59.064	477	50.83	57	9.278	335	62.77	55
Apr. 10.7	35.67	60	50.71	7	2.485	320	39.20	121	59.541	465	51.40	121	9.613	333	62.22	55
20.7	36.27	58	50.78	40	2.805	308	40.41	169	60.006	440	52.61	178	9.946	327	61.67	55
30.7	36.85	56	51.18	71	3.113	291	42.10	212	60.446	404	54.39	230	10.273	315	61.12	51
Mai 10.6	37.41	51	51.89	100	3.404	266	44.22	246	60.850	359	56.69	274	10.588	298	60.61	45
20.6	37.92	46	52.89	129	3.670	237	46.68	272	61.209	303	59.43	308	10.886	274	60.16	38
30.6	38.38	41	54.18	153	3.907	201	49.40	291	61.512	241	62.51	333	11.160	245	59.78	27
Juni 9.6	38.79	34	55.71	174	4.108	161	52.31	301	61.753	172	65.84	349	11.405	210	59.51	17
19.5	39.13	25	57.45	190	4.269	117	55.32	303	61.925	99	69.33	355	11.615	170	59.34	6
29.5	39.38	18	59.35	201	4.386	70	58.35	296	62.024	24	72.88	352	11.785	126	59.28	5
Juli 9.5	39.56	9	61.36	205	4.456	22	61.31	284	62.048	51	76.40	341	11.911	80	59.33	15
19.4	39.65	0	63.41	204	4.478	27	64.15	265	61.997	125	79.81	321	11.991	31	59.48	23
29.4	39.65	9	65.45	194	4.451	73	66.80	240	61.872	195	83.02	296	12.022	17	59.71	29
Aug. 8.4	39.56	17	67.39	177	4.378	117	69.20	210	61.677	259	85.98	262	12.005	63	60.00	33
18.4	39.39	24	69.16	154	4.261	156	71.30	177	61.418	316	88.60	225	11.942	103	60.33	33
28.3	39.15	30	70.70	123	4.105	188	73.07	139	61.102	363	90.85	182	11.839	138	60.66	30
Sept. 7.3	38.85	36	71.93	88	3.917	213	74.46	100	60.739	400	92.67	135	11.701	165	60.96	26
17.3	38.49	38	72.81	48	3.704	228	75.46	59	60.339	423	94.02	86	11.536	182	61.22	18
27.3	38.11	40	73.29	4	3.476	234	76.05	15	59.916	435	94.88	34	11.354	188	61.40	9
Okt. 7.2	37.71	39	73.33	40	3.242	229	76.20	28	59.481	431	95.22	20	11.166	184	61.49	1
17.2	37.32	35	72.93	84	3.013	215	75.92	72	59.050	414	95.02	74	10.982	167	61.48	11
27.2	36.97	31	72.09	126	2.798	190	75.20	116	58.636	382	94.28	127	10.815	140	61.37	20
Nov. 6.1	36.66	25	70.83	162	2.608	158	74.04	156	58.254	338	93.01	178	10.675	105	61.17	28
16.1	36.41	17	69.21	194	2.450	118	72.48	195	57.916	283	91.23	225	10.570	64	60.89	34
26.1	36.24	8	67.27	218	2.332	74	70.53	228	57.633	217	88.98	267	10.506	18	60.55	38
Dez. 6.1	36.16	1	65.09	235	2.258	25	68.25	255	57.416	145	86.31	302	10.488	31	60.17	39
16.0	36.17	10	62.74	244	2.233	24	65.70	274	57.271	66	83.29	327	10.519	79	59.78	39
26.0	36.27	20	60.30	245	2.257	73	62.96	285	57.205	15	80.02	341	10.598	125	59.39	39
36.0	36.47		57.85		2.330		60.11		57.220		76.61		10.723		59.00	
Mittl. Ort	31.78		63.10		0.923		56.23		58.660		71.64		7.155		63.45	
sec δ, tg δ	2.150		−1.903		1.196		+0.656		1.958		+1.683		1.116		−0.496	

Mittlere Zeit Greenw.	708) λ Telescopii AR.		Dekl.		709) ϑ Serpentis pr. AR.		Dekl.	
	$18^h\ 51^m$		$-53°\ 2'$		$18^h\ 52^m$		$+4°\ 5'$	
1917	s		"		s		"	
Jan. 1.0	48.880	203	57.06	198	5.219	125	37.96	148
11.0	49.083	263	55.08	192	5.344	160	36.48	145
21.0	49.346	316	53.16	181	5.504	192	35.03	134
30.9	49.662	362	51.35	167	5.696	219	33.69	118
Feb. 9.9	50.024	401	49.68	150	5.915	242	32.51	96
19.9	50.425	430	48.18	131	6.157	260	31.55	68
März 1.8	50.855	454	46.87	111	6.417	275	30.87	36
11.8	51.309	470	45.76	88	6.692	286	30.51	2
21.8	51.779	479	44.88	66	6.978	292	30.49	32
31.8	52.258	483	44.22	42	7.270	295	30.81	66
Apr. 10.7	52.741	478	43.80	17	7.565	293	31.47	97
20.7	53.219	467	43.63	8	7.858	287	32.44	124
30.7	53.686	447	43.71	34	8.145	276	33.68	147
Mai 10.7	54.133	420	44.05	59	8.421	259	35.15	164
20.6	54.553	384	44.64	83	8.680	238	36.79	176
30.6	54.937	340	45.47	106	8.918	210	38.55	182
Juni 9.6	55.277	289	46.53	125	9.128	179	40.37	183
19.5	55.566	229	47.78	142	9.307	142	42.20	179
29.5	55.795	164	49.20	154	9.449	102	43.99	171
Juli 9.5	55.959	97	50.74	161	9.551	61	45.70	158
19.5	56.056	26	52.35	163	9.612	18	47.28	144
29.4	56.082	43	53.98	159	9.630	24	48.72	126
Aug. 8.4	56.039	109	55.57	148	9.606	65	49.98	106
18.4	55.930	169	57.05	131	9.541	101	51.04	87
28.3	55.761	220	58.36	108	9.440	131	51.91	67
Sept. 7.3	55.541	260	59.44	81	9.309	154	52.58	45
17.3	55.281	285	60.25	49	9.155	169	53.03	24
27.3	54.996	295	60.74	13	8.986	175	53.27	3
Okt. 7.2	54.701	290	60.87	23	8.811	170	53.30	18
17.2	54.411	269	60.64	60	8.641	157	53.12	39
27.2	54.142	233	60.04	94	8.484	134	52.73	59
Nov. 6.2	53.909	182	59.10	126	8.350	104	52.14	80
16.1	53.727	123	57.84	152	8.246	69	51.34	99
26.1	53.604	56	56.32	173	8.177	28	50.35	116
Dez. 6.1	53.548	15	54.59	188	8.149	14	49.19	131
16.0	53.563	87	52.71	197	8.163	57	47.88	141
26.0	53.650	156	50.74	199	8.220	97	46.47	147
36.0	53.806		48.75		8.317		45.00	
Mittl. Ort	49.503		54.03		5.602		40.55	
sec δ, tg δ	1.663		—1.329		1.003		+0.072	

Mittlere Zeit Greenw.	711) *R* Lyrae AR.		Dekl.		713) γ Lyrae AR.		Dekl.	
	$18^h\ 52^m$		$+43°\ 49'$		$18^h\ 55^m$		$+32°\ 34'$	
1917	s		"		s		"	
Jan. 1.0	47.265	87	68.54	317	49.405	95	28.32	282
11.0	47.352	140	65.37	312	49.500	141	25.50	277
21.0	47.492	190	62.25	294	49.641	181	22.73	261
30.9	47.682	236	59.31	266	49.822	218	20.12	235
Feb. 9.9	47.918	274	56.65	227	50.040	250	17.77	200
19.9	48.192	307	54.38	178	50.290	276	15.77	156
März 1.8	48.499	332	52.60	123	50.566	297	14.21	105
11.8	48.831	350	51.37	63	50.863	312	13.16	50
21.8	49.181	360	50.74	1	51.175	320	12.66	6
31.8	49.541	362	50.73	61	51.495	324	12.72	62
Apr. 10.7	49.903	357	51.34	119	51.819	321	13.34	115
20.7	50.260	343	52.53	173	52.140	311	14.49	163
30.7	50.603	321	54.26	222	52.451	295	16.12	206
Mai 10.7	50.924	292	56.48	261	52.746	273	18.18	242
20.6	51.216	256	59.09	292	53.019	244	20.60	269
30.6	51.472	215	62.01	314	53.263	209	23.29	288
Juni 9.6	51.687	167	65.15	329	53.472	171	26.17	299
19.5	51.854	117	68.44	332	53.643	127	29.16	302
29.5	51.971	62	71.76	329	53.770	80	32.18	298
Juli 9.5	52.033	8	75.05	317	53.850	33	35.16	285
19.5	52.041	48	78.22	298	53.883	16	38.01	267
29.4	51.993	100	81.20	272	53.867	63	40.68	243
Aug. 8.4	51.893	149	83.92	242	53.804	107	43.11	215
18.4	51.744	193	86.34	205	53.697	147	45.26	182
28.3	51.551	230	88.39	166	53.550	181	47.08	146
Sept. 7.3	51.321	258	90.05	122	53.369	206	48.54	107
17.3	51.063	277	91.27	76	53.163	223	49.61	66
27.3	50.786	284	92.03	28	52.940	230	50.27	24
Okt. 7.2	50.502	281	92.31	21	52.710	227	50.51	20
17.2	50.221	267	92.10	70	52.483	214	50.31	64
27.2	49.954	242	91.40	119	52.269	192	49.67	106
Nov. 6.2	49.712	208	90.21	166	52.077	160	48.61	147
16.1	49.504	165	88.55	209	51.917	123	47.14	186
26.1	49.339	116	86.46	247	51.794	79	45.28	219
Dez. 6.1	49.223	62	83.99	278	51.715	33	43.09	248
16.0	49.161	7	81.21	301	51.682	16	40.61	268
26.0	49.154	50	78.20	315	51.698	65	37.93	279
36.0	49.204		75.05		51.763		35.14	
Mittl. Ort	48.586		69.91		50.303		29.83	
sec δ, tg δ	1.386		+0.960		1.187		+0.639	

Mittlere Zeit Greenw.	716) ζ Aquilae				717) λ Aquilae				718) α Coron. austr.				720) π Sagittarii			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	19h 1m		+13° 44′		19h 1m		−5° 0′		19h 3m		−38° 1′		19h 4m		−21° 9′	
1917	s		″		s		″		s		″		s		″	
Jan. 1.0	35.204	107	19.10	198	50.362	123	31.22	92	49.260	154	69.15	115	49.457	134	26.83	10
11.0	35.311	145	17.12	193	50.485	158	32.14	90	49.414	201	68.00	113	49.591	172	26.73	10
21.0	35.456	178	15.19	182	50.643	190	33.04	82	49.615	241	66.87	110	49.763	205	26.63	13
30.9	35.634	208	13.37	163	50.833	217	33.86	70	49.856	275	65.77	106	49.968	235	26.50	18
Feb. 9.9	35.842	233	11.74	135	51.050	240	34.56	54	50.131	305	64.71	100	50.203	260	26.32	23
19.9	36.075	254	10.39	101	51.290	260	35.10	33	50.436	329	63.71	95	50.463	279	26.09	32
März 1.9	36.329	272	9.38	62	51.550	275	35.43	9	50.765	348	62.76	88	50.742	295	25.77	41
11.8	36.601	284	8.76	21	51.825	286	35.52	16	51.113	362	61.88	81	51.037	308	25.36	50
21.8	36.885	293	8.55	22	52.111	295	35.36	42	51.475	372	61.07	73	51.345	317	24.86	60
31.8	37.178	297	8.77	64	52.406	299	34.94	67	51.847	377	60.34	64	51.662	322	24.26	68
Apr. 10.7	37.475	296	9.41	104	52.705	299	34.27	89	52.224	377	59.70	52	51.984	322	23.58	74
20.7	37.771	291	10.45	139	53.004	295	33.38	108	52.601	372	59.18	40	52.306	319	22.84	78
30.7	38.062	280	11.84	170	53.299	285	32.30	124	52.973	360	58.78	26	52.625	309	22.06	78
Mai 10.7	38.342	263	13.54	195	53.584	271	31.06	135	53.333	342	58.52	10	52.934	295	21.28	76
20.6	38.605	242	15.49	213	53.855	250	29.71	140	53.675	318	58.42	6	53.229	274	20.52	71
30.6	38.847	214	17.62	225	54.105	225	28.31	142	53.993	286	58.48	24	53.503	247	19.81	64
Juni 9.6	39.061	181	19.87	229	54.330	194	26.89	140	54.279	247	58.72	40	53.750	215	19.17	54
19.6	39.242	144	22.16	229	54.524	158	25.49	133	54.526	204	59.12	55	53.965	178	18.63	42
29.5	39.386	103	24.45	221	54.682	118	24.16	123	54.730	154	59.67	69	54.143	135	18.21	30
Juli 9.5	39.489	61	26.66	210	54.800	77	22.93	111	54.884	101	60.36	79	54.278	90	17.91	19
19.5	39.550	17	28.76	193	54.877	33	21.82	98	54.985	46	61.15	87	54.368	43	17.72	7
29.4	39.567	26	30.69	173	54.910	11	20.84	83	55.031	8	62.02	91	54.411	3	17.65	2
Aug. 8.4	39.541	67	32.42	151	54.899	52	20.01	68	55.023	61	62.93	90	54.408	48	17.67	9
18.4	39.474	104	33.93	126	54.847	89	19.33	52	54.962	109	63.83	84	54.360	89	17.76	15
28.4	39.370	136	35.19	99	54.758	122	18.81	38	54.853	151	64.67	74	54.271	124	17.91	18
Sept. 7.3	39.234	161	36.18	71	54.636	147	18.43	25	54.702	184	65.41	61	54.147	152	18.09	18
17.3	39.073	176	36.89	42	54.489	163	18.18	11	54.518	205	66.02	42	53.995	171	18.27	17
27.3	38.897	184	37.31	13	54.326	170	18.07	2	54.313	216	66.44	22	53.824	179	18.44	14
Okt. 7.3	38.713	182	37.44	17	54.156	168	18.09	14	54.097	213	66.66	0	53.645	177	18.58	9
17.2	38.531	169	37.27	46	53.988	155	18.23	26	53.884	199	66.66	23	53.468	164	18.67	3
27.2	38.362	149	36.81	75	53.833	134	18.49	38	53.685	172	66.43	44	53.304	141	18.70	0
Nov. 6.2	38.213	120	36.06	104	53.699	105	18.87	49	53.513	135	65.99	64	53.163	110	18.70	5
16.1	38.093	85	35.02	130	53.594	69	19.36	61	53.378	91	65.35	82	53.053	72	18.65	7
26.1	38.008	46	33.72	153	53.525	29	19.97	71	53.287	40	64.53	95	52.981	29	18.58	9
Dez. 6.1	37.962	5	32.19	173	53.496	12	20.68	80	53.247	14	63.58	105	52.952	16	18.49	10
16.1	37.957	38	30.46	188	53.508	55	21.48	88	53.261	68	62.53	111	52.968	61	18.39	10
26.0	37.995	80	28.58	196	53.563	95	22.36	91	53.329	119	61.42	114	53.029	104	18.29	9
36.0	38.075		26.62		53.658		23.27		53.448		60.28		53.133		18.20	
Mittl. Ort	35.700		20.96		50.667		28.67		49.594		65.77		49.710		23.81	
sec δ, tg δ	1.029		+0.245		1.004		−0.088		1.270		−0.782		1.072		−0.387	

Mittlere Zeit Greenw.	723) δ Draconis AR.		Dekl.		724) ϑ Lyrae AR.		Dekl.	
	$19^h\ 12^m$		$+67°\ 30'$		$19^h\ 13^m$		$+37°\ 58'$	
1917	s		"		s		"	
Jan. 1.0	28.73	2	57.42	342	28.138	69	66.88	295
11.0	28.71	10	54.00	343	28.207	117	63.93	293
21.0	28.81	20	50.57	332	28.324	163	61.00	280
30.9	29.01	30	47.25	307	28.487	204	58.20	256
Feb. 9.9	29.31	39	44.18	271	28.691	242	55.64	222
19.9	29.70	47	41.47	224	28.933	274	53.42	178
März 1.9	30.17	53	39.23	168	29.207	299	51.64	127
11.8	30.70	58	37.55	107	29.506	320	50.37	71
21.8	31.28	60	36.48	41	29.826	333	49.66	12
31.8	31.88	61	36.07	25	30.159	340	49.54	46
Apr. 10.7	32.49	61	36.32	90	30.499	340	50.00	103
20.7	33.10	58	37.22	151	30.839	332	51.03	155
30.7	33.68	54	38.73	207	31.171	318	52.58	203
Mai 10.7	34.22	48	40.80	254	31.489	295	54.61	243
20.6	34.70	41	43.34	294	31.784	267	57.04	275
30.6	35.11	33	46.28	325	32.051	231	59.79	298
Juni 9.6	35.44	24	49.53	346	32.282	190	62.77	313
19.6	35.68	15	52.99	358	32.472	145	65.90	320
29.5	35.83	4	56.57	362	32.617	95	69.10	319
Juli 9.5	35.87	6	60.19	355	32.712	44	72.29	309
19.5	35.81	15	63.74	341	32.756	7	75.38	293
29.5	35.66	24	67.15	320	32.749	59	78.31	271
Aug. 8.4	35.42	33	70.35	292	32.690	106	81.02	244
18.4	35.09	42	73.27	257	32.584	150	83.46	210
28.4	34.67	48	75.84	217	32.434	187	85.56	174
Sept. 7.3	34.19	53	78.01	173	32.247	217	87.30	134
17.3	33.66	57	79.74	124	32.030	237	88.64	91
27.3	33.09	59	80.98	73	31.793	248	89.55	47
Okt. 7.3	32.50	60	81.71	19	31.545	249	90.02	0
17.2	31.90	58	81.90	36	31.296	239	90.02	47
27.2	31.32	56	81.54	90	31.057	219	89.55	92
Nov. 6.2	30.76	51	80.64	145	30.838	191	88.63	138
16.2	30.25	45	79.19	197	30.647	154	87.25	181
26.1	29.80	37	77.22	242	30.493	111	85.44	218
Dez. 6.1	29.43	29	74.80	282	30.382	64	83.26	250
16.1	29.14	18	71.98	314	30.318	15	80.76	275
26.0	28.96	8	68.84	334	30.303	36	78.01	290
36.0	28.88		65.50		30.339		75.11	
Mittl. Ort	32.38		55.78		29.203		66.68	
sec δ, tg δ	2.615		+2.416		1.269		+0.781	

Mittlere Zeit Greenw.	725) ω Aquilae AR.		Dekl.		726) κ Cygni AR.		Dekl.	
	$19^h\ 13^m$		$+11°\ 26'$		$19^h\ 15^m$		$+53°\ 12'$	
1917	s		"		s		"	
Jan. 1.0	54.776	97	40.07	181	9.252	38	54.55	330
11.0	54.873	134	38.26	179	9.290	104	51.25	330
21.0	55.007	167	36.47	168	9.394	168	47.95	318
30.9	55.174	198	34.79	150	9.562	228	44.77	293
Feb. 9.9	55.372	224	33.29	125	9.790	280	41.84	257
19.9	55.596	246	32.04	94	10.070	327	39.27	210
März 1.9	55.842	264	31.10	57	10.397	365	37.17	156
11.8	56.106	279	30.53	18	10.762	394	35.61	95
21.8	56.385	289	30.35	23	11.156	412	34.66	31
31.8	56.674	296	30.58	63	11.568	420	34.35	33
Apr. 10.7	56.970	297	31.21	101	11.988	418	34.68	97
20.7	57.267	294	32.22	136	12.406	406	35.65	155
30.7	57.561	285	33.58	165	12.812	383	37.20	208
Mai 10.7	57.846	270	35.23	188	13.195	351	39.28	255
20.6	58.116	250	37.11	206	13.546	310	41.83	292
30.6	58.366	224	39.17	217	13.856	260	44.75	320
Juni 9.6	58.590	193	41.34	222	14.116	206	47.95	340
19.6	58.783	157	43.56	221	14.322	145	51.35	351
29.5	58.940	117	45.77	214	14.467	81	54.86	352
Juli 9.5	59.057	75	47.91	202	14.548	15	58.38	344
19.5	59.132	31	49.93	187	14.563	50	61.82	330
29.5	59.163	13	51.80	168	14.513	114	65.12	309
Aug. 8.4	59.150	55	53.48	147	14.399	174	68.21	279
18.4	59.095	93	54.95	123	14.225	227	71.00	244
28.4	59.002	125	56.18	97	13.998	273	73.44	206
Sept. 7.3	58.877	152	57.15	71	13.725	310	75.50	162
17.3	58.725	170	57.86	44	13.415	337	77.12	114
27.3	58.555	179	58.30	17	13.078	352	78.26	64
Okt. 7.3	58.376	178	58.47	11	12.726	354	78.90	13
17.2	58.198	168	58.36	38	12.372	344	79.03	40
27.2	58.030	149	57.98	65	12.028	323	78.63	94
Nov. 6.2	57.881	123	57.33	92	11.705	289	77.69	145
16.2	57.758	90	56.41	116	11.416	246	76.24	193
26.1	57.668	52	55.25	139	11.170	194	74.31	238
Dez. 6.1	57.616	12	53.86	157	10.976	135	71.93	275
16.1	57.604	29	52.29	171	10.841	71	69.18	304
26.0	57.633	70	50.58	180	10.770	5	66.14	324
36.0	57.703		48.78		10.765		62.90	
Mittl. Ort	55.231		41.43		11.118		53.32	
sec δ, tg δ	1.020		+0.202		1.670		+1.337	

Mittlere Zeit Greenw.	729) τ Draconis				728) α Sagittarii				730) δ Aquilae				732) β Cygni			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	19ʰ 17ᵐ		+73° 11′		19ʰ 18ᵐ		−40° 46′		19ʰ 21ᵐ		+2° 56′		19ʰ 27ᵐ		+27° 46′	
Jan. 1.0	4.22ˢ	7	68.79″	338	7.906ˢ	140	27.16″	136	18.470ˢ	97	52.51″	132	21.683ˢ	67	65.02″	254
11.0	4.15	7	65.41	342	8.046	187	25.80	136	18.567	134	51.19	130	21.750	109	62.48	253
21.0	4.22	22	61.99	333	8.233	231	24.44	134	18.701	166	49.89	121	21.859	148	59.95	242
30.9	4.44	35	58.66	310	8.464	268	23.10	130	18.867	195	48.68	106	22.007	184	57.53	222
Feb. 9.9	4.79	47	55.56	276	8.732	301	21.80	125	19.062	220	47.62	86	22.191	217	55.31	192
19.9	5.26	58	52.80	231	9.033	328	20.55	119	19.282	243	46.76	59	22.408	246	53.39	154
März 1.9	5.84	67	50.49	176	9.361	350	19.36	110	19.525	261	46.17	30	22.654	270	51.85	109
11.8	6.51	73	48.73	115	9.711	367	18.26	101	19.786	276	45.87	2	22.924	289	50.76	60
21.8	7.24	78	47.58	51	10.078	381	17.25	91	20.062	287	45.89	35	23.213	304	50.16	7
31.8	8.02	78	47.07	15	10.459	388	16.34	80	20.349	294	46.24	68	23.517	313	50.09	46
Apr. 10.8	8.80	78	47.22	80	10.847	392	15.54	65	20.643	298	46.92	99	23.830	316	50.55	97
20.7	9.58	75	48.02	141	11.239	388	14.89	49	20.941	296	47.91	125	24.146	313	51.52	144
30.7	10.33	69	49.43	197	11.627	379	14.40	32	21.237	289	49.16	148	24.459	304	52.96	185
Mai 10.7	11.02	61	51.40	246	12.006	362	14.08	14	21.526	277	50.64	165	24.763	288	54.81	222
20.6	11.63	52	53.86	287	12.368	339	13.94	6	21.803	258	52.29	177	25.051	265	57.03	250
30.6	12.15	40	56.73	319	12.707	308	14.00	26	22.061	233	54.06	184	25.316	237	59.53	271
Juni 9.6	12.55	29	59.92	341	13.015	269	14.26	45	22.294	204	55.90	185	25.553	202	62.24	284
19.6	12.84	17	63.33	356	13.284	225	14.71	63	22.498	170	57.75	182	25.755	162	65.08	290
29.5	13.01	3	66.89	360	13.509	174	15.34	79	22.668	130	59.57	173	25.917	119	67.98	287
Juli 9.5	13.04	10	70.49	356	13.683	120	16.13	93	22.798	89	61.30	161	26.036	73	70.85	279
19.5	12.94	22	74.05	343	13.803	63	17.06	101	22.887	45	62.91	146	26.109	25	73.64	264
29.5	12.72	34	77.48	324	13.866	5	18.07	107	22.932	1	64.37	129	26.134	22	76.28	244
Aug. 8.4	12.38	46	80.72	298	13.871	51	19.14	107	22.933	40	65.66	110	26.112	67	78.72	219
18.4	11.92	57	83.70	264	13.820	102	20.21	101	22.893	79	66.76	90	26.045	109	80.91	190
28.4	11.35	65	86.34	226	13.718	148	21.22	92	22.814	113	67.66	70	25.936	145	82.81	158
Sept. 7.3	10.70	71	88.60	182	13.570	184	22.14	77	22.701	141	68.36	50	25.791	174	84.39	123
17.3	9.99	77	90.42	135	13.386	210	22.91	57	22.560	159	68.86	29	25.617	195	85.62	85
27.3	9.22	81	91.77	85	13.176	224	23.48	35	22.401	169	69.15	9	25.422	207	86.47	47
Okt. 7.3	8.41	82	92.62	31	12.952	224	23.83	10	22.232	169	69.24	11	25.215	210	86.94	7
17.2	7.59	80	92.93	24	12.728	212	23.93	15	22.063	161	69.13	30	25.005	202	87.01	34
27.2	6.79	77	92.69	79	12.516	188	23.78	41	21.902	143	68.83	50	24.803	185	86.67	74
Nov. 6.2	6.02	71	91.90	134	12.328	153	23.37	64	21.759	117	68.33	68	24.618	161	85.93	113
16.2	5.31	64	90.56	185	12.175	110	22.73	86	21.642	85	67.65	86	24.457	129	84.80	150
26.1	4.67	54	88.71	233	12.065	59	21.87	103	21.557	48	66.79	101	24.328	91	83.30	184
Dez. 6.1	4.13	43	86.38	274	12.006	6	20.84	118	21.509	9	65.78	115	24.237	50	81.46	212
16.1	3.70	30	83.64	307	12.000	50	19.66	127	21.500	31	64.63	126	24.187	6	79.34	235
26.0	3.40	16	80.57	330	12.050	103	18.39	133	21.531	71	63.37	132	24.181	37	76.99	249
36.0	3.24		77.27		12.153		17.06		21.602		62.05		24.218		74.50	
Mittl. Ort	9.43		66.38		8.253		23.37		18.820		54.09		22.424		64.43	
sec δ, tg δ	3.460		+3.312		1.321		−0.862		1.001		+0.052		1.130		+0.527	

Mittlere Zeit Greenw.	733) ι Cygni AR.		733) ι Cygni Dekl.		736) h Sagittarii AR.		736) h Sagittarii Dekl.		738) ϑ Cygni AR.		738) ϑ Cygni Dekl.		741) γ Aquilae AR.		741) γ Aquilae Dekl.	
1917	19h 27m		+51° 32′		19h 31m		−25° 3′		19h 34m		+50° 1′		19h 42m		+10° 24′	
Jan. 1.0	35.103	24	70.96	323	39.246	108	67.39	41	11.323	18	44.68	317	18.417	70	36.52	167
11.0	35.127	87	67.73	325	39.354	148	66.98	45	11.341	79	41.51	320	18.487	107	34.85	166
21.0	35.214	148	64.48	315	39.502	184	66.53	49	11.420	138	38.31	313	18.594	141	33.19	157
31.0	35.362	206	61.33	294	39.686	215	66.04	54	11.558	194	35.18	292	18.735	172	31.62	142
Feb. 9.9	35.568	258	58.39	261	39.901	244	65.50	59	11.752	245	32.26	260	18.907	201	30.20	119
19.9	35.826	305	55.78	216	40.145	267	64.91	65	11.997	291	29.66	217	19.108	225	29.01	89
März 1.9	36.131	344	53.62	163	40.412	288	64.26	72	12.288	330	27.49	166	19.333	248	28.12	56
11.8	36.475	374	51.99	105	40.700	304	63.54	79	12.618	360	25.83	108	19.581	266	27.56	19
21.8	36.849	396	50.94	42	41.004	318	62.75	84	12.978	383	24.75	46	19.847	281	27.37	21
31.8	37.245	407	50.52	22	41.322	327	61.91	89	13.361	396	24.29	17	20.128	292	27.58	60
Apr. 10.8	37.652	409	50.74	84	41.649	333	61.02	91	13.757	400	24.46	79	20.420	298	28.18	98
20.7	38.061	401	51.58	144	41.982	333	60.11	90	14.157	393	25.25	139	20.718	300	29.16	131
30.7	38.462	382	53.02	198	42.315	328	59.21	87	14.550	378	26.64	192	21.018	295	30.47	161
Mai 10.7	38.844	354	55.00	244	42.643	317	58.34	80	14.928	352	28.56	240	21.313	285	32.08	185
20.7	39.198	317	57.44	284	42.960	299	57.54	71	15.280	318	30.96	279	21.598	268	33.93	204
30.6	39.515	272	60.28	314	43.259	274	56.83	60	15.598	276	33.75	310	21.866	245	35.97	215
Juni 9.6	39.787	221	63.42	336	43.533	244	56.23	47	15.874	227	36.85	333	22.111	217	38.12	222
19.6	40.008	163	66.78	348	43.777	207	55.76	32	16.101	172	40.18	345	22.328	183	40.34	221
29.5	40.171	102	70.26	351	43.984	165	55.44	16	16.273	113	43.63	350	22.511	144	42.55	216
Juli 9.5	40.273	39	73.77	346	44.149	120	55.28	2	16.386	52	47.13	346	22.655	102	44.71	206
19.5	40.312	25	77.23	334	44.269	71	55.26	11	16.438	11	50.59	334	22.757	58	46.77	190
29.5	40.287	88	80.57	314	44.340	22	55.37	23	16.427	72	53.93	315	22.815	14	48.67	173
Aug. 8.4	40.199	147	83.71	286	44.362	26	55.60	31	16.355	129	57.08	290	22.829	30	50.40	152
18.4	40.052	200	86.57	254	44.336	71	55.91	37	16.226	183	59.98	257	22.799	70	51.92	129
28.4	39.852	247	89.11	217	44.265	110	56.28	40	16.043	230	62.55	221	22.729	105	53.21	105
Sept. 7.4	39.605	285	91.28	174	44.155	143	56.68	39	15.813	268	64.76	179	22.624	135	54.26	80
17.3	39.320	314	93.02	128	44.012	166	57.07	36	15.545	296	66.55	134	22.489	157	55.06	53
27.3	39.006	330	94.30	79	43.846	179	57.43	29	15.249	314	67.89	86	22.332	170	55.59	27
Okt. 7.3	38.676	336	95.09	27	43.667	183	57.72	21	14.935	321	68.75	36	22.162	174	55.86	0
17.2	38.340	329	95.36	24	43.484	174	57.93	11	14.614	315	69.11	17	21.988	169	55.86	25
27.2	38.011	310	95.12	77	43.310	155	58.04	1	14.299	299	68.94	69	21.819	154	55.61	52
Nov. 6.2	37.701	281	94.35	129	43.155	128	58.05	9	14.000	272	68.25	120	21.665	132	55.09	77
16.2	37.420	242	93.06	179	43.027	94	57.96	17	13.728	234	67.05	170	21.533	104	54.32	101
26.1	37.178	194	91.27	223	42.933	53	57.79	25	13.494	189	65.35	215	21.429	70	53.31	122
Dez. 6.1	36.984	139	89.04	262	42.880	10	57.54	30	13.305	138	63.20	254	21.359	34	52.09	141
16.1	36.845	80	86.42	294	42.870	35	57.24	35	13.167	81	60.66	286	21.325	5	50.68	156
26.1	36.765	17	83.48	314	42.905	79	56.89	40	13.086	21	57.80	309	21.330	44	49.12	164
36.0	36.748		80.34		42.984		56.49		13.065		54.71		21.374		47.48	
Mittl. Ort	36.829		68.59		39.472		64.11		12.934		41.77		18.822		36.61	
sec δ, tg δ	1.608		+1.260		1.104		−0.468		1.557		+1.193		1.017		+0.184	

Mittlere Zeit Greenw.	742) δ Cygni AR.		742) δ Cygni Dekl.		743) δ Sagittae AR.		743) δ Sagittae Dekl.		745) α Aquilae*) AR.		745) α Aquilae*) Dekl.		747) ε Draconis AR.		747) ε Draconis Dekl.	
1917	$19^h 42^m$		+44° 55′		$19^h 43^m$		+18° 19′		$19^h 46^m$		+8° 38′		$19^h 48^m$		+70° 3′	
Jan. 1.0	21.556	21	42.35	303	40.684	61	44.12	206	43.638	72	53.57	155	23.56	12	29.25	326
11.0	21.577	75	39.32	307	40.745	99	42.06	206	43.710	107	52.02	153	23.44	1	25.99	337
21.0	21.652	127	36.25	301	40.844	135	40.00	197	43.817	141	50.49	145	23.43	12	22.62	336
31.0	21.779	177	33.24	282	40.979	169	38.03	181	43.958	172	49.04	129	23.55	23	19.26	322
Feb. 9.9	21.956	223	30.42	251	41.148	199	36.22	155	44.130	200	47.75	107	23.78	34	16.04	294
19.9	22.179	265	27.91	211	41.347	225	34.67	123	44.330	226	46.68	80	24.12	44	13.10	255
März 1.9	22.444	300	25.80	162	41.572	250	33.44	85	44.556	247	45.88	46	24.56	53	10.55	207
11.9	22.744	330	24.18	106	41.822	270	32.59	41	44.803	266	45.42	10	25.09	60	8.48	150
21.8	23.074	352	23.12	46	42.092	286	32.18	4	45.069	280	45.32	27	25.69	64	6.98	87
31.8	23.426	366	22.66	15	42.378	297	32.22	49	45.349	292	45.59	65	26.33	68	6.11	23
Apr. 10.8	23.792	372	22.81	75	42.675	303	32.71	94	45.641	299	46.24	100	27.01	68	5.88	43
20.7	24.164	369	23.56	133	42.978	305	33.65	134	45.940	300	47.24	133	27.69	67	6.31	106
30.7	24.533	357	24.89	185	43.283	300	34.99	170	46.240	297	48.57	161	28.36	64	7.37	166
Mai 10.7	24.890	338	26.74	231	43.583	288	36.69	201	46.537	286	50.18	184	29.00	59	9.03	218
20.7	25.228	309	29.05	270	43.871	270	38.70	224	46.823	271	52.02	201	29.59	52	11.21	265
30.6	25.537	272	31.75	301	44.141	247	40.94	242	47.094	248	54.03	212	30.11	44	13.86	302
Juni 9.6	25.809	229	34.76	322	44.388	216	43.36	253	47.342	219	56.15	216	30.55	35	16.88	332
19.6	26.038	181	37.98	336	44.604	181	45.89	255	47.561	186	58.31	216	30.90	25	20.20	352
29.6	26.219	128	41.34	340	44.785	140	48.44	252	47.747	148	60.47	209	31.15	13	23.72	364
Juli 9.5	26.347	71	44.74	337	44.925	98	50.96	244	47.895	106	62.56	198	31.28	3	27.36	365
19.5	26.418	14	48.11	326	45.023	52	53.40	230	48.001	62	64.54	183	31.31	8	31.01	360
29.5	26.432	43	51.37	307	45.075	7	55.70	211	48.063	17	66.37	166	31.23	19	34.61	346
Aug. 8.4	26.389	97	54.44	283	45.082	37	57.81	189	48.080	25	68.03	144	31.04	30	38.07	325
18.4	26.292	147	57.27	252	45.045	78	59.70	164	48.055	66	69.47	122	30.74	39	41.32	297
28.4	26.145	192	59.79	217	44.967	114	61.34	136	47.989	102	70.69	99	30.35	47	44.29	262
Sept. 7.4	25.953	228	61.96	178	44.853	145	62.70	105	47.887	131	71.68	74	29.88	54	46.91	223
17.3	25.725	256	63.74	134	44.708	167	63.75	75	47.756	153	72.42	49	29.34	60	49.14	178
27.3	25.469	274	65.08	87	44.541	180	64.50	43	47.603	167	72.91	24	28.74	64	50.92	129
Okt. 7.3	25.195	281	65.95	40	44.361	185	64.93	9	47.436	170	73.15	1	28.10	66	52.21	77
17.2	24.914	277	66.35	11	44.176	180	65.02	23	47.266	165	73.14	25	27.44	66	52.98	22
27.2	24.637	263	66.24	61	43.996	167	64.79	56	47.101	152	72.89	49	26.78	65	53.20	34
Nov. 6.2	24.374	238	65.63	111	43.829	144	64.23	89	46.949	130	72.40	73	26.13	62	52.86	91
16.2	24.136	206	64.52	158	43.685	116	63.34	119	46.819	101	71.67	94	25.51	56	51.95	146
26.1	23.930	165	62.94	202	43.569	83	62.15	147	46.718	68	70.73	115	24.95	49	50.49	197
Dez. 6.1	23.765	118	60.92	241	43.486	45	60.68	171	46.650	32	69.58	132	24.46	40	48.52	244
16.1	23.647	68	58.51	272	43.441	6	58.97	190	46.618	7	68.26	144	24.06	31	46.08	283
26.1	23.579	15	55.79	294	43.435	34	57.07	202	46.625	45	66.82	153	23.75	19	43.25	313
36.0	23.564		52.85		43.469		55.05		46.670		65.29		23.56		40.12	
Mittl. Ort	22.865		39.09		41.204		43.33		44.017		53.76		27.66		23.46	
sec δ, tg δ	1.412		+0.997		1.053		+0.331		1.012		+0.152		2.932		+2.756	

*) Die jährliche Parallaxe (0″.23) ist bereits berücksichtigt.

Mittlere Zeit Greenw.	748) ε Pavonis AR.		Dekl.		749) β Aquilae AR.		Dekl.		750) ψ Cygni AR.		Dekl.		751) ϑ^1 Sagittarii AR.		Dekl.	
1917	$19^h 50^m$		−73° 7′		$19^h 51^m$		+6° 11′		$19^h 53^m$		+52° 12′		$19^h 54^m$		−35° 29′	
Jan. 1.1	58.93	12	57.98	306	13.836	65	54.83	143	27.359	16	70.10	312	19.939	88	70.61	110
11.0	59.05	25	54.92	311	13.901	101	53.40	141	27.343	47	66.98	321	20.027	133	69.51	117
21.0	59.30	37	51.81	308	14.002	135	51.99	134	27.390	109	63.77	318	20.160	173	68.34	122
31.0	59.67	50	48.73	297	14.137	166	50.65	119	27.499	169	60.59	301	20.333	211	67.12	125
Feb. 9.9	60.17	59	45.76	280	14.303	194	49.46	98	27.668	226	57.58	273	20.544	244	65.87	127
19.9	60.76	69	42.96	256	14.497	219	48.48	72	27.894	278	54.85	234	20.788	273	64.60	128
März 1.9	61.45	77	40.40	228	14.716	241	47.76	41	28.172	322	52.51	186	21.061	299	63.32	127
11.9	62.22	83	38.12	196	14.957	261	47.35	7	28.494	360	50.65	130	21.360	322	62.05	125
21.8	63.05	87	36.16	160	15.218	277	47.28	28	28.854	388	49.35	70	21.682	339	60.80	121
31.8	63.92	90	34.56	122	15.495	290	47.56	63	29.242	407	48.65	6	22.021	354	59.59	116
Apr. 10.8	64.82	93	33.34	81	15.785	297	48.19	97	29.649	417	48.59	57	22.375	364	58.43	107
20.8	65.75	92	32.53	39	16.082	300	49.16	128	30.066	415	49.16	117	22.739	367	57.36	96
30.7	66.67	90	32.14	4	16.382	298	50.44	154	30.481	403	50.33	174	23.106	366	56.40	83
Mai 10.7	67.57	87	32.18	46	16.680	288	51.98	175	30.884	380	52.07	224	23.472	357	55.57	66
20.7	68.44	81	32.64	87	16.968	274	53.73	190	31.264	348	54.31	267	23.829	341	54.91	48
30.6	69.25	73	33.51	127	17.242	253	55.63	201	31.612	307	56.98	301	24.170	317	54.43	28
Juni 9.6	69.98	65	34.78	162	17.495	225	57.64	204	31.919	258	59.99	328	24.487	286	54.15	7
19.6	70.63	54	36.40	193	17.720	193	59.68	202	32.177	202	63.27	345	24.773	247	54.08	14
29.6	71.17	42	38.33	219	17.913	155	61.70	196	32.379	142	66.72	353	25.020	203	54.22	34
Juli 9.5	71.59	29	40.52	238	18.068	113	63.66	185	32.521	78	70.25	354	25.223	154	54.56	52
19.5	71.88	15	42.90	249	18.181	70	65.51	170	32.599	13	73.79	345	25.377	100	55.08	68
29.5	72.03	1	45.39	251	18.251	25	67.21	153	32.612	51	77.24	330	25.477	46	55.76	80
Aug. 8.5	72.04	14	47.90	246	18.276	18	68.74	133	32.561	114	80.54	307	25.523	8	56.56	88
18.4	71.90	26	50.36	231	18.258	59	70.07	111	32.447	171	83.61	278	25.515	60	57.44	92
28.4	71.64	39	52.67	207	18.199	95	71.18	89	32.276	222	86.39	243	25.455	106	58.36	90
Sept. 7.4	71.25	50	54.74	174	18.104	126	72.07	66	32.054	265	88.82	204	25.349	146	59.26	83
17.3	70.75	58	56.48	134	17.978	149	72.73	44	31.789	298	90.86	160	25.203	176	60.09	72
27.3	70.17	63	57.82	88	17.829	163	73.17	20	31.491	321	92.46	112	25.027	196	60.81	57
Okt. 7.3	69.54	67	58.70	36	17.666	168	73.37	2	31.170	333	93.58	63	24.831	204	61.38	39
17.3	68.87	66	59.06	18	17.498	165	73.35	25	30.837	333	94.21	10	24.627	200	61.77	18
27.2	68.21	63	58.88	71	17.333	151	73.10	47	30.504	320	94.31	44	24.427	185	61.95	3
Nov. 6.2	67.58	57	58.17	124	17.182	131	72.63	67	30.184	297	93.87	97	24.242	159	61.92	25
16.2	67.01	48	56.93	173	17.051	104	71.96	88	29.887	264	92.90	148	24.083	125	61.67	46
26.2	66.53	38	55.20	216	16.947	71	71.08	106	29.623	222	91.42	196	23.958	84	61.21	65
Dez. 6.1	66.15	25	53.04	252	16.876	35	70.02	122	29.401	172	89.46	239	23.874	39	60.56	80
16.1	65.90	12	50.52	279	16.841	2	68.80	133	29.229	116	87.07	274	23.835	8	59.76	94
26.1	65.78	2	47.73	298	16.843	39	67.47	141	29.113	56	84.33	301	23.843	55	58.82	105
36.0	65.80		44.75		16.882		66.06		29.057		81.32		23.898		57.77	
Mittl. Ort	60.82		52.15		14.175		54.98		29.061		65.13		20.169		66.31	
sec δ, tg δ	3.446		−3.298		1.006		+0.109		1.632		+1.290		1.228		−0.713	

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	752) γ Sagittae				754) δ Pavonis				756) ϑ Aquilae				757) o^1 Cygni sq.			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$19^h\ 55^m$		$+19°\ 15'$		$20^h\ 0^m$		$-66°\ 23'$		$20^h\ 7^m$		$-1°\ 3'$		$20^h\ 10^m$		$+46°\ 29'$	
Jan. 1.1	3.423	49	58.87	206	34.67	8	48.58	275	1.137	56	67.18	96	59.781	20	26.40	291
11.0	3.472	87	56.81	207	34.75	19	45.83	282	1.193	92	68.14	94	59.761	34	23.49	303
21.0	3.559	124	54.74	200	34.94	28	43.01	283	1.285	124	69.08	86	59.795	88	20.46	303
31.0	3.683	157	52.74	185	35.22	36	40.18	277	1.409	155	69.94	73	59.883	141	17.43	289
Feb. 9.9	3.840	189	50.89	160	35.58	43	37.41	265	1.564	183	70.67	55	60.024	191	14.54	265
19.9	4.029	217	49.29	128	36.01	50	34.76	246	1.747	209	71.22	34	60.215	237	11.89	229
März 1.9	4.246	243	48.01	90	36.51	56	32.30	224	1.956	233	71.56	8	60.452	280	9.60	185
11.9	4.489	264	47.11	47	37.07	60	30.06	198	2.189	253	71.64	20	60.732	316	7.75	132
21.8	4.753	282	46.64	2	37.67	64	28.08	167	2.442	272	71.44	49	61.048	345	6.43	75
31.8	5.035	296	46.62	44	38.31	67	26.41	134	2.714	286	70.95	77	61.393	366	5.68	14
Apr. 10.8	5.331	305	47.06	89	38.98	69	25.07	98	3.000	297	70.18	104	61.759	379	5.54	47
20.8	5.636	307	47.95	130	39.67	69	24.09	60	3.297	302	69.14	128	62.138	384	6.01	105
30.7	5.943	305	49.25	168	40.36	68	23.49	21	3.599	303	67.86	148	62.522	378	7.06	161
Mai 10.7	6.248	294	50.93	200	41.04	66	23.28	18	3.902	297	66.38	163	62.900	364	8.67	210
20.7	6.542	278	52.93	225	41.70	62	23.46	57	4.199	285	64.75	174	63.264	339	10.77	253
30.6	6.820	255	55.18	244	42.32	58	24.03	95	4.484	266	63.01	178	63.603	306	13.30	288
Juni 9.6	7.075	225	57.62	255	42.90	52	24.98	130	4.750	241	61.23	178	63.909	266	16.18	315
19.6	7.300	191	60.17	260	43.42	44	26.28	162	4.991	210	59.45	173	64.175	219	19.33	334
29.6	7.491	152	62.77	259	43.86	35	27.90	189	5.201	173	57.72	163	64.394	166	22.67	343
Juli 9.5	7.643	108	65.36	251	44.21	26	29.79	210	5.374	133	56.09	152	64.560	109	26.10	345
19.5	7.751	63	67.87	237	44.47	16	31.89	225	5.507	90	54.57	136	64.669	51	29.55	339
29.5	7.814	17	70.24	220	44.63	5	34.14	231	5.597	45	53.21	118	64.720	8	32.94	325
Aug. 8.5	7.831	27	72.44	198	44.68	5	36.45	230	5.642	0	52.03	100	64.712	65	36.19	305
18.4	7.804	70	74.42	173	44.63	16	38.75	220	5.642	42	51.03	81	64.647	119	39.24	278
28.4	7.734	107	76.15	145	44.47	24	40.95	202	5.600	79	50.22	62	64.528	168	42.02	246
Sept. 7.4	7.627	139	77.60	115	44.23	33	42.97	174	5.521	112	49.60	43	64.360	209	44.48	209
17.3	7.488	162	78.75	84	43.90	39	44.71	140	5.409	137	49.17	25	64.151	242	46.57	168
27.3	7.326	178	79.59	51	43.51	43	46.11	100	5.272	154	48.92	8	63.909	266	48.25	123
Okt. 7.3	7.148	184	80.10	17	43.08	46	47.11	53	5.118	161	48.84	8	63.643	280	49.48	75
17.3	6.964	181	80.27	16	42.62	46	47.64	5	4.957	160	48.92	23	63.363	282	50.23	26
27.2	6.783	169	80.11	50	42.16	44	47.69	45	4.797	149	49.15	37	63.081	274	50.49	26
Nov. 6.2	6.614	150	79.61	82	41.72	40	47.24	94	4.648	131	49.52	51	62.807	256	50.23	77
16.2	6.464	123	78.79	114	41.32	33	46.30	140	4.517	105	50.03	65	62.551	229	49.46	127
26.2	6.341	90	77.65	143	40.99	26	44.90	181	4.412	75	50.68	75	62.322	194	48.19	174
Dez. 6.1	6.251	55	76.22	167	40.73	17	43.09	217	4.337	42	51.43	85	62.128	153	46.45	216
16.1	6.196	17	74.55	188	40.56	8	40.92	245	4.295	5	52.28	92	61.975	105	44.29	253
26.1	6.179	22	72.67	202	40.48	3	38.47	266	4.290	31	53.20	97	61.870	54	41.76	280
36.0	6.201		70.65		40.51		35.81		4.321		54.17		61.816		38.96	
Mittl. Ort	3.938		57.32		35.76		42.40		1.376		66.68		61.080		20.38	
sec δ, tg δ	1.059		+0.349		2.497		—2.288		1.000		—0.019		1.452		+1.053	

Mittlere Zeit Greenw.	759) ϰ Cephei AR.		759) ϰ Cephei Dekl.		760) 24 Vulpecul. AR.		760) 24 Vulpecul. Dekl.		761) α^2 Capricorni AR.		761) α^2 Capricorni Dekl.		764) α Pavonis AR.		764) α Pavonis Dekl.	
1917	$20^h\ 11^m$		$+77°\ 27'$		$20^h\ 13^m$		$+24°\ 24'$		$20^h\ 13^m$		$-12°\ 47'$		$20^h\ 19^m$		$-56°\ 59'$	
Jan. 1.1	35.60	35	52.06	307	13.414	25	56.14	221	26.896	57	72.43	25	4.869	51	73.81	232
11.0	35.25	18	48.99	326	13.439	64	53.93	226	26.953	93	72.68	21	4.920	119	71.49	244
21.0	35.07	$\overline{2}$	45.73	332	13.503	101	51.67	221	27.046	127	72.89	12	5.039	183	69.05	250
31.0	35.09	21	42.41	326	13.604	138	49.46	208	27.173	158	73.01	1	5.222	243	66.55	251
Feb. 10.0	35.30	40	39.15	307	13.742	172	47.38	184	27.331	186	73.02	$\overline{12}$	5.465	299	64.04	246
19.9	35.70	57	36.08	275	13.914	204	45.54	152	27.517	213	72.90	28	5.764	348	61.58	237
März 1.9	36.27	72	33.33	233	14.118	233	44.02	114	27.730	237	72.62	46	6.112	392	59.21	223
11.9	36.99	84	31.00	181	14.351	259	42.88	70	27.967	259	72.16	64	6.504	431	56.98	205
21.8	37.83	94	29.19	123	14.610	281	42.18	23	28.226	278	71.52	83	6.935	463	54.93	184
31.8	38.77	101	27.96	60	14.891	298	41.95	$\overline{27}$	28.504	293	70.69	100	7.398	489	53.09	160
Apr. 10.8	39.78	103	27.36	$\overline{4}$	15.189	310	42.22	76	28.797	305	69.69	115	7.887	507	51.49	132
20.8	40.81	103	27.40	68	15.499	315	42.98	121	29.102	312	68.54	127	8.394	517	50.17	101
30.7	41.84	98	28.08	128	15.814	315	44.19	163	29.414	314	67.27	136	8.911	519	49.16	69
Mai 10.7	42.82	92	29.36	184	16.129	307	45.82	200	29.728	309	65.91	141	9.430	509	48.47	34
20.7	43.74	83	31.20	235	16.436	293	47.82	230	30.037	299	64.50	140	9.939	490	48.13	$\overline{2}$
30.7	44.57	70	33.55	276	16.729	270	50.12	254	30.336	281	63.10	136	10.429	459	48.15	37
Juni 9.6	45.27	57	36.31	312	16.999	242	52.66	270	30.617	256	61.74	128	10.888	418	48.52	71
19.6	45.84	42	39.43	338	17.241	207	55.36	279	30.873	225	60.46	116	11.306	366	49.23	103
29.6	46.26	25	42.81	355	17.448	168	58.15	281	31.098	189	59.30	103	11.672	305	50.26	132
Juli 9.5	46.51	8	46.36	364	17.616	123	60.96	276	31.287	148	58.27	87	11.977	236	51.58	157
19.5	46.59	$\overline{9}$	50.00	365	17.739	77	63.72	265	31.435	103	57.40	69	12.213	160	53.15	176
29.5	46.50	25	53.65	357	17.816	30	66.37	249	31.538	57	56.71	53	12.373	82	54.91	189
Aug. 8.5	46.25	42	57.22	343	17.846	$\overline{16}$	68.86	228	31.595	12	56.18	36	12.455	2	56.80	195
18.4	45.83	56	60.65	320	17.830	60	71.14	203	31.607	$\overline{33}$	55.82	20	12.457	$\overline{75}$	58.75	193
28.4	45.27	70	63.85	292	17.770	101	73.17	174	31.574	73	55.62	7	12.382	146	60.68	183
Sept. 7.4	44.57	82	66.77	257	17.669	135	74.91	144	31.501	107	55.55	$\overline{4}$	12.236	209	62.51	165
17.4	43.75	91	69.34	216	17.534	161	76.35	110	31.394	135	55.59	14	12.027	261	64.16	141
27.3	42.84	100	71.50	170	17.373	179	77.45	74	31.259	153	55.73	21	11.766	299	65.57	109
Okt. 7.3	41.84	104	73.20	121	17.194	189	78.19	38	31.106	162	55.94	26	11.467	321	66.66	72
17.3	40.80	107	74.41	68	17.005	190	78.57	0	30.944	161	56.20	29	11.146	326	67.38	31
27.2	39.73	106	75.09	12	16.815	181	78.57	37	30.783	151	56.49	31	10.820	315	67.69	$\overline{11}$
Nov. 6.2	38.67	103	75.21	$\overline{45}$	16.634	165	78.20	74	30.632	134	56.80	32	10.505	287	67.58	55
16.2	37.64	97	74.76	103	16.469	141	77.46	110	30.498	108	57.12	33	10.218	246	67.03	96
26.2	36.67	89	73.73	157	16.328	111	76.36	143	30.390	77	57.45	33	9.972	195	66.07	135
Dez. 6.1	35.78	77	72.16	208	16.217	77	74.93	172	30.313	42	57.78	33	9.777	133	64.72	169
16.1	35.01	62	70.08	253	16.140	41	73.21	197	30.271	6	58.11	31	9.644	67	63.03	197
26.1	34.39	47	67.55	290	16.099	2	71.24	215	30.265	$\overline{31}$	58.42	29	9.577	$\overline{3}$	61.06	220
36.1	33.92		64.65		16.097		69.09		30.296		58.71		9.580		58.86	
Mittl. Ort	42.46		43.25		13.983		52.80		27.054		70.49		5.402		67.26	
sec δ, tg δ	4.606		+4.497		1.098		+0.454		1.026		−0.227		1.836		−1.540	

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	765) γ Cygni				767) ϑ Cephei				768) ε Delphini				769) α Indi			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	20h 19m		+39° 59′		20h 28m		+62° 42′		20h 29m		+11° 1′		20h 31m		−47° 34′	
	s		″		s		″		s		″		s		″	
Jan. 1.1	13.954	11	31.34	271	8.97	13	62.75	302	14.559	26	15.47	153	43.774	38	60.96	181
11.0	13.943	36	28.63	282	8.84	5	59.73	321	14.585	60	13.94	156	43.812	90	59.15	195
21.0	13.979	83	25.81	281	8.79	3	56.52	328	14.645	94	12.38	150	43.902	141	57.20	204
31.0	14.062	130	23.00	270	8.82	12	53.24	322	14.739	127	10.88	137	44.043	189	55.16	211
Feb. 10.0	14.192	173	20.30	247	8.94	21	50.02	304	14.866	157	9.51	118	44.232	233	53.05	212
19.9	14.365	215	17.83	213	9.15	28	46.98	273	15.023	187	8.33	92	44.465	273	50.93	210
März 1.9	14.580	252	15.70	171	9.43	35	44.25	231	15.210	214	7.41	61	44.738	310	48.83	204
11.9	14.832	286	13.99	121	9.78	42	41.94	181	15.424	239	6.80	25	45.048	343	46.79	195
21.9	15.118	314	12.78	66	10.20	47	40.13	123	15.663	261	6.55	13	45.391	372	44.84	183
31.8	15.432	335	12.12	9	10.67	50	38.90	61	15.924	279	6.68	51	45.763	396	43.01	168
Apr. 10.8	15.767	349	12.03	49	11.17	52	38.29	4	16.203	294	7.19	90	46.159	415	41.33	148
20.8	16.116	355	12.52	104	11.69	53	38.33	67	16.497	302	8.09	125	46.574	427	39.85	126
30.7	16.471	354	13.56	157	12.22	53	39.00	128	16.799	306	9.34	156	47.001	432	38.59	101
Mai 10.7	16.825	343	15.13	204	12.75	51	40.28	185	17.105	302	10.90	182	47.433	428	37.58	73
20.7	17.168	324	17.17	245	13.26	47	42.13	234	17.407	293	12.72	204	47.861	416	36.85	44
30.7	17.492	297	19.62	278	13.73	42	44.47	278	17.700	275	14.76	219	48.277	395	36.41	13
Juni 9.6	17.789	262	22.40	303	14.15	36	47.25	314	17.975	251	16.95	227	48.672	364	36.28	18
19.6	18.051	221	25.43	320	14.51	30	50.39	340	18.226	222	19.22	231	49.036	323	36.46	49
29.6	18.272	174	28.63	329	14.81	21	53.79	358	18.448	186	21.53	227	49.359	275	36.95	78
Juli 9.6	18.446	124	31.92	330	15.02	14	57.37	367	18.634	146	23.80	218	49.634	220	37.73	103
19.5	18.570	70	35.22	323	15.16	5	61.04	368	18.780	102	25.98	206	49.854	159	38.76	125
29.5	18.640	16	38.45	310	15.21	3	64.72	361	18.882	58	28.04	190	50.013	94	40.01	142
Aug. 8.5	18.656	37	41.55	290	15.18	11	68.33	346	18.940	13	29.94	170	50.107	29	41.43	153
18.4	18.619	87	44.45	264	15.07	19	71.79	324	18.953	30	31.64	147	50.136	35	42.96	157
28.4	18.532	133	47.09	234	14.88	27	75.03	295	18.923	70	33.11	123	50.101	95	44.53	155
Sept. 7.4	18.399	172	49.43	199	14.61	32	77.98	260	18.853	104	34.34	98	50.006	148	46.08	146
17.4	18.227	203	51.42	160	14.29	37	80.58	220	18.749	131	35.32	72	49.858	192	47.54	129
27.3	18.024	225	53.02	117	13.92	42	82.78	174	18.618	151	36.04	46	49.666	224	48.83	107
Okt. 7.3	17.799	239	54.19	73	13.50	44	84.52	125	18.467	161	36.50	20	49.442	244	49.90	80
17.3	17.560	242	54.92	26	13.06	46	85.77	71	18.306	164	36.70	7	49.198	251	50.70	47
27.3	17.318	236	55.18	22	12.60	45	86.48	16	18.142	158	36.63	33	48.947	243	51.17	13
Nov. 6.2	17.082	220	54.96	70	12.15	44	86.64	40	17.984	144	36.30	58	48.704	224	51.30	22
16.2	16.862	196	54.26	116	11.71	41	86.24	98	17.840	123	35.72	82	48.480	193	51.08	57
26.2	16.666	165	53.10	161	11.30	37	85.26	152	17.717	96	34.90	105	48.287	152	50.51	90
Dez. 6.1	16.501	128	51.49	201	10.93	32	83.74	202	17.621	67	33.85	124	48.135	105	49.61	121
16.1	16.373	86	49.48	234	10.61	25	81.72	248	17.554	33	32.61	139	48.030	54	48.40	147
26.1	16.287	42	47.14	260	10.36	18	79.24	284	17.521	2	31.22	150	47.976	1	46.93	168
36.1	16.245		44.54		10.18		76.40		17.523		29.72		47.975		45.25	
Mittl. Ort	14.940		25.42		11.49		53.33		14.864		13.32		44.036		54.72	
sec δ, tg δ	1.305		+0.839		2.181		+1.939		1.019		+0.195		1.482		−1.094	

Mittlere Zeit Greenw.	770) 73 Draconis AR.		770) Dekl.		771) β Delphini AR.		771) Dekl.		773) υ Capricorni AR.		773) Dekl.		774) α Delphini AR.		774) Dekl.	
	20ʰ 32ᵐ		+74° 39′		20ʰ 33ᵐ		+14° 18′		20ʰ 35ᵐ		−18° 25′		20ʰ 35ᵐ		+15° 36′	
1917	s		″		s		″		s		″		s		″	
Jan. 1.1	31.91	33	84.22	295	39.077	19	23.22	168	19.530	38	56.75	10	46.627	16	69.74	173
11.1	31.58	19	81.27	319	39.096	53	21.54	171	19.568	73	56.65	20	46.643	50	68.01	177
21.0	31.39	4	78.08	330	39.149	88	19.83	166	19.641	108	56.45	29	46.693	84	66.24	173
31.0	31.35	12	74.78	329	39.237	121	18.17	155	19.749	140	56.16	40	46.777	118	64.51	161
Feb. 10.0	31.47	27	71.49	315	39.358	152	16.62	135	19.889	170	55.76	53	46.895	150	62.90	141
19.9	31.74	42	68.34	287	39.510	183	15.27	108	20.059	199	55.23	66	47.045	181	61.49	115
März 1.9	32.16	54	65.47	249	39.693	211	14.19	76	20.258	226	54.57	81	47.226	210	60.34	82
11.9	32.70	66	62.98	201	39.904	237	13.43	39	20.484	251	53.76	96	47.436	236	59.52	44
21.9	33.36	76	60.97	144	40.141	261	13.04	1	20.735	272	52.80	109	47.672	260	59.08	3
31.8	34.12	81	59.53	84	40.402	280	13.05	43	21.007	292	51.71	122	47.932	280	59.05	38
Apr. 10.8	34.93	85	58.69	20	40.682	295	13.48	83	21.299	308	50.49	131	48.212	295	59.43	80
20.8	35.78	87	58.49	44	40.977	304	14.31	121	21.607	318	49.18	138	48.507	305	60.23	120
30.8	36.65	86	58.93	107	41.281	308	15.52	156	21.925	323	47.80	141	48.812	310	61.43	155
Mai 10.7	37.51	80	60.00	164	41.589	306	17.08	185	22.248	323	46.39	140	49.122	307	62.98	185
20.7	38.31	74	61.64	216	41.895	295	18.93	209	22.571	315	44.99	134	49.429	296	64.83	211
30.7	39.05	66	63.80	263	42.190	278	21.02	226	22.886	300	43.65	126	49.725	280	66.94	230
Juni 9.6	39.71	55	66.43	301	42.468	255	23.28	239	23.186	278	42.39	113	50.005	257	69.24	242
19.6	40.26	43	69.44	331	42.723	225	25.67	243	23.464	248	41.26	98	50.262	226	71.66	248
29.6	40.69	30	72.75	353	42.948	189	28.10	242	23.712	213	40.28	80	50.488	190	74.14	248
Juli 9.6	40.99	17	76.28	366	43.137	148	30.52	235	23.925	173	39.48	61	50.678	150	76.62	241
19.5	41.16	3	79.94	370	43.285	105	32.87	223	24.098	128	38.87	42	50.828	106	79.03	230
29.5	41.19	11	83.64	367	43.390	60	35.10	207	24.226	81	38.45	23	50.934	61	81.33	215
Aug. 8.5	41.08	25	87.31	356	43.450	15	37.17	188	24.307	33	38.22	6	50.995	16	83.48	195
18.5	40.83	38	90.87	337	43.465	29	39.05	165	24.340	14	38.16	9	51.011	28	85.43	172
28.4	40.45	49	94.24	312	43.436	69	40.70	140	24.326	56	38.25	23	50.983	68	87.15	147
Sept. 7.4	39.96	60	97.36	279	43.367	103	42.10	114	24.270	94	38.48	32	50.915	103	88.62	120
17.4	39.36	69	100.15	241	43.264	131	43.24	86	24.176	125	38.80	38	50.812	132	89.82	92
27.3	38.67	75	102.56	197	43.133	152	44.10	57	24.051	147	39.18	41	50.680	152	90.74	62
Okt. 7.3	37.92	81	104.53	149	42.981	164	44.67	28	23.904	160	39.59	42	50.528	165	91.36	33
17.3	37.11	84	106.02	96	42.817	167	44.95	0	23.744	163	40.01	40	50.363	168	91.69	3
27.3	36.27	85	106.98	41	42.650	161	44.95	29	23.581	158	40.41	35	50.195	163	91.72	28
Nov. 6.2	35.42	84	107.39	17	42.489	148	44.66	58	23.423	143	40.76	29	50.032	150	91.44	57
16.2	34.58	79	107.22	76	42.341	128	44.08	85	23.280	120	41.05	23	49.882	131	90.87	85
26.2	33.79	73	106.46	132	42.213	103	43.23	109	23.160	92	41.28	17	49.751	106	90.02	111
Dez. 6.2	33.06	65	105.14	186	42.110	73	42.14	132	23.068	59	41.45	9	49.645	76	88.91	135
16.1	32.41	54	103.28	235	42.037	40	40.82	151	23.009	24	41.54	3	49.569	43	87.56	154
26.1	31.87	42	100.93	275	41.997	6	39.31	163	22.985	11	41.57	5	49.526	9	86.02	168
36.1	31.45		98.18		41.991		37.68		22.996		41.52		49.517		84.34	
Mittl. Ort	37.10		73.33		39.412		20.30		19.617		54.19		46.975		66.49	
sec δ, tg δ	3.783		+3.648		1.032		+0.255		1.054		−0.333		1.038		+0.280	

Mittlere Zeit Greenw.	775) β Pavonis AR.		775) β Pavonis Dekl.		777) α Cygni AR.		777) α Cygni Dekl.		780) ε Cygni AR.		780) ε Cygni Dekl.		781) ε Aquarii AR.		781) ε Aquarii Dekl.	
1917	$20^h\ 37^m$		−66° 29′		$20^h\ 38^m$		+44° 58′		$20^h\ 42^m$		+33° 39′		$20^h\ 43^m$		−9° 47′	
Jan. 1.1	28.81	1	77.22	273	35.008	48	67.58	272	50.456	20	38.21	238	10.961	28	62.26	39
11.1	28.80	8	74.49	291	34.960	2	64.86	287	50.436	21	35.83	251	10.989	61	62.65	32
21.0	28.88	17	71.58	299	34.962	53	61.99	292	50.457	62	33.32	252	11.050	93	62.97	24
31.0	29.05	26	68.59	301	35.015	103	59.07	285	50.519	104	30.80	244	11.143	125	63.21	11
Feb. 10.0	29.31	34	65.58	297	35.118	154	56.22	266	50.623	144	28.36	225	11.268	155	63.32	4
19.9	29.65	41	62.61	285	35.272	202	53.56	237	50.767	183	26.11	196	11.423	183	63.28	22
März 1.9	30.06	48	59.76	268	35.474	246	51.19	196	50.950	219	24.15	158	11.606	210	63.06	41
11.9	30.54	54	57.08	246	35.720	286	49.23	148	51.169	253	22.57	114	11.816	235	62.65	63
21.9	31.08	58	54.62	220	36.006	320	47.75	94	51.422	282	21.43	64	12.051	258	62.02	84
31.8	31.66	62	52.42	189	36.326	348	46.81	36	51.704	306	20.79	11	12.309	278	61.18	105
Apr. 10.8	32.28	66	50.53	155	36.674	367	46.45	23	52.010	325	20.68	43	12.587	294	60.13	123
20.8	32.94	67	48.98	117	37.041	378	46.68	81	52.335	336	21.11	95	12.881	306	58.90	139
30.8	33.61	68	47.81	78	37.419	379	47.49	137	52.671	340	22.06	144	13.187	312	57.51	150
Mai 10.7	34.29	67	47.03	36	37.798	372	48.86	188	53.011	336	23.50	190	13.499	313	56.01	158
20.7	34.96	65	46.67	7	38.170	354	50.74	233	53.347	324	25.40	228	13.812	306	54.43	161
30.7	35.61	61	46.74	48	38.524	328	53.07	271	53.671	303	27.68	260	14.118	292	52.82	159
Juni 9.6	36.22	56	47.22	88	38.852	292	55.78	301	53.974	275	30.28	284	14.410	271	51.23	153
19.6	36.78	50	48.10	127	39.144	250	58.79	323	54.249	240	33.12	302	14.681	244	49.70	142
29.6	37.28	41	49.37	160	39.394	202	62.02	337	54.489	199	36.14	311	14.925	211	48.28	129
Juli 9.6	37.69	33	50.97	190	39.596	148	65.39	343	54.688	154	39.25	313	15.136	171	46.99	113
19.5	38.02	23	52.87	212	39.744	91	68.82	341	54.842	105	42.38	308	15.307	129	45.86	94
29.5	38.25	13	54.99	227	39.835	34	72.23	331	54.947	54	45.46	296	15.436	83	44.92	76
Aug. 8.5	38.38	2	57.26	235	39.869	22	75.54	314	55.001	4	48.42	279	15.519	38	44.16	57
18.5	38.40	9	59.61	233	39.847	78	78.68	292	55.005	45	51.21	256	15.557	7	43.59	38
28.4	38.31	18	61.94	222	39.769	128	81.60	263	54.960	89	53.77	228	15.550	49	43.21	22
Sept. 7.4	38.13	27	64.16	203	39.641	171	84.23	229	54.871	128	56.05	196	15.501	85	42.99	6
17.4	37.86	35	66.19	175	39.470	208	86.52	191	54.743	160	58.01	161	15.416	115	42.93	7
27.3	37.51	41	67.94	138	39.262	236	88.43	149	54.583	185	59.62	123	15.301	137	43.00	17
Okt. 7.3	37.10	45	69.32	96	39.026	253	89.92	104	54.398	201	60.85	82	15.164	151	43.17	26
17.3	36.65	47	70.28	49	38.773	262	90.96	55	54.197	207	61.67	40	15.013	155	43.43	32
27.3	36.18	46	70.77	2	38.511	260	91.51	5	53.990	204	62.07	4	14.858	150	43.75	38
Nov. 6.2	35.72	44	70.75	54	38.251	249	91.56	45	53.786	194	62.03	48	14.708	138	44.13	41
16.2	35.28	39	70.21	104	38.002	228	91.11	95	53.592	176	61.55	91	14.570	118	44.54	43
26.2	34.89	33	69.17	150	37.774	200	90.16	144	53.416	150	60.64	132	14.452	93	44.97	45
Dez. 6.2	34.56	25	67.67	193	37.574	165	88.72	188	53.266	119	59.32	169	14.359	62	45.42	46
16.1	34.31	16	65.74	229	37.409	125	86.84	226	53.147	85	57.63	202	14.297	30	45.88	45
26.1	34.15	8	63.45	259	37.284	79	84.58	258	53.062	47	55.61	228	14.267	3	46.33	42
36.1	34.07		60.86		37.205		82.00		53.015		53.33		14.270		46.75	
Mittl. Ort	29.71		69.43		36.116		59.35		51.145		31.42		11.052		61.23	
sec δ, tg δ	2.508		−2.300		1.414		+0.999		1.201		+0.666		1.015		−0.173	

Mittlere Zeit Greenw.	783) η Cephei AR.		783) η Cephei Dekl.		784) λ Cygni AR.		784) λ Cygni Dekl.	
	20h 43m		+61° 30′		20h 44m		+36° 10′	
1917	s		″		s		″	
Jan. 1.1	33.97	15	68.58	286	9.734	28	73.82	246
11.1	33.82	7	65.72	311	9.706	14	71.36	260
21.0	33.75	1	62.61	321	9.720	57	68.76	263
31.0	33.76	9	59.40	318	9.777	101	66.13	254
Feb. 10.0	33.85	17	56.22	304	9.878	142	63.59	236
19.9	34.02	24	53.18	277	10.020	183	61.23	207
März 1.9	34.26	32	50.41	238	10.203	221	59.16	169
11.9	34.58	38	48.03	189	10.424	256	57.47	124
21.9	34.96	44	46.14	134	10.680	287	56.23	73
31.8	35.40	48	44.80	74	10.967	312	55.50	20
Apr. 10.8	35.88	50	44.06	11	11.279	331	55.30	36
20.8	36.38	52	43.95	53	11.610	343	55.66	90
30.8	36.90	52	44.48	114	11.953	347	56.56	140
Mai 10.7	37.42	50	45.62	172	12.300	342	57.96	187
20.7	37.92	47	47.34	224	12.642	329	59.83	228
30.7	38.39	43	49.58	268	12.971	308	62.11	261
Juni 9.6	38.82	38	52.26	305	13.279	280	64.72	287
19.6	39.20	32	55.31	335	13.559	243	67.59	306
29.6	39.52	24	58.66	356	13.802	201	70.65	317
Juli 9.6	39.76	17	62.22	368	14.003	154	73.82	320
19.5	39.93	9	65.90	371	14.157	104	77.02	316
29.5	40.02	0	69.61	367	14.261	53	80.18	305
Aug. 8.5	40.02	7	73.28	355	14.314	1	83.23	287
18.5	39.95	15	76.83	335	14.315	49	86.10	265
28.4	39.80	22	80.18	308	14.266	94	88.75	238
Sept. 7.4	39.58	28	83.26	276	14.172	134	91.13	205
17.4	39.30	33	86.02	237	14.038	168	93.18	169
27.3	38.97	38	88.39	194	13.870	193	94.87	131
Okt. 7.3	38.59	41	90.33	145	13.677	209	96.18	88
17.3	38.18	42	91.78	94	13.468	217	97.06	45
27.3	37.76	43	92.72	39	13.251	214	97.51	0
Nov. 6.2	37.33	42	93.11	19	13.037	204	97.51	46
16.2	36.91	39	92.92	75	12.833	186	97.05	91
26.2	36.52	36	92.17	130	12.647	161	96.14	133
Dez. 6.2	36.16	31	90.87	183	12.486	130	94.81	173
16.1	35.85	26	89.04	229	12.356	95	93.08	207
26.1	35.59	19	86.75	268	12.261	55	91.01	234
36.1	35.40		84.07		12.206		88.67	
Mittl. Ort	36.23		57.77		10.491		66.51	
sec δ, tg δ	2.097		+1.843		1.239		+0.731	

Mittlere Zeit Greenw.	785) β Indi AR.		785) β Indi Dekl.		786) 32 Vulpeculae AR.		786) 32 Vulpeculae Dekl.	
	20h 48m		−58° 45′		20h 51m		+27° 44′	
1917	s		″		s		″	
Jan. 1.1	19.446	8	73.26	235	0.815	17	35.03	216
11.1	19.438	61	70.91	253	0.798	21	32.87	225
21.0	19.499	128	68.38	266	0.819	59	30.62	227
31.0	19.627	193	65.72	273	0.878	96	28.35	219
Feb. 10.0	19.820	253	62.99	272	0.974	133	26.16	200
19.9	20.073	310	60.27	268	1.107	170	24.16	173
März 1.9	20.383	361	57.59	257	1.277	204	22.43	138
11.9	20.744	407	55.02	241	1.481	236	21.05	97
21.9	21.151	448	52.61	222	1.717	265	20.08	50
31.8	21.599	482	50.39	198	1.982	289	19.58	0
Apr. 10.8	22.081	509	48.41	171	2.271	308	19.58	49
20.8	22.590	528	46.70	139	2.579	321	20.07	98
30.8	23.118	537	45.31	104	2.900	326	21.05	143
Mai 10.7	23.655	536	44.27	68	3.226	325	22.48	184
20.7	24.191	523	43.59	30	3.551	316	24.32	220
30.7	24.714	499	43.29	9	3.867	299	26.52	248
Juni 9.6	25.213	462	43.38	48	4.166	274	29.00	270
19.6	25.675	415	43.86	85	4.440	242	31.70	284
29.6	26.090	356	44.71	119	4.682	204	34.54	292
Juli 9.6	26.446	288	45.90	149	4.886	162	37.46	292
19.5	26.734	213	47.39	175	5.048	116	40.38	286
29.5	26.947	131	49.14	193	5.164	67	43.24	274
Aug. 8.5	27.078	48	51.07	205	5.231	20	45.98	256
18.5	27.126	34	53.12	210	5.251	27	48.54	234
28.4	27.092	112	55.22	204	5.224	70	50.88	208
Sept. 7.4	26.980	184	57.26	191	5.154	108	52.96	178
17.4	26.796	245	59.17	170	5.046	140	54.74	144
27.3	26.551	293	60.87	141	4.906	164	56.18	110
Okt. 7.3	26.258	325	62.28	105	4.742	180	57.28	72
17.3	25.933	341	63.33	65	4.562	187	58.00	34
27.3	25.592	339	63.98	20	4.375	185	58.34	5
Nov. 6.2	25.253	322	64.18	25	4.190	176	58.29	45
16.2	24.931	289	63.93	71	4.014	159	57.84	83
26.2	24.642	243	63.22	115	3.855	137	57.01	120
Dez. 6.2	24.399	187	62.07	154	3.718	108	55.81	154
16.1	24.212	124	60.53	190	3.610	76	54.27	183
26.1	24.088	57	58.63	219	3.534	41	52.44	206
36.1	24.031		56.44		3.493		50.38	
Mittl. Ort	19.909		65.54		1.325		28.72	
sec δ, tg δ	1.929		−1.649		1.130		+0.526	

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Mittlere Zeit Greenw.	788) ν Cygni				790) ζ Microscopii				793) 61 Cygni pr.*)				794) ν Aquarii			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$20^h\ 54^m$		+40° 50′		$20^h\ 57^m$		−38° 57′		$21^h\ 3^m$		+38° 20′		$21^h\ 5^m$		−11° 42′	
Jan. 1.1	3.820	51	57.94	253	39.898	10	28.98	129	9.769	39	35.14	232	4.475	9	31.48	25
11.1	3.769	6	55.41	269	39.908	52	27.69	145	9.730	3	32.82	249	4.484	41	31.73	18
21.0	3.763	39	52.72	275	39.960	95	26.24	160	9.733	46	30.33	255	4.525	72	31.91	7
31.0	3.802	86	49.97	270	40.055	135	24.64	171	9.779	90	27.78	250	4.597	104	31.98	6
Feb. 10.0	3.888	132	47.27	254	40.190	174	22.93	180	9.869	134	25.28	235	4.701	134	31.92	22
20.0	4.020	177	44.73	227	40.364	210	21.13	186	10.003	177	22.93	208	4.835	163	31.70	38
März 1.9	4.197	219	42.46	190	40.574	245	19.27	189	10.180	219	20.85	173	4.998	193	31.32	58
11.9	4.416	259	40.56	146	40.819	277	17.38	189	10.399	257	19.12	130	5.191	219	30.74	78
21.9	4.675	294	39.10	94	41.096	306	15.49	186	10.656	291	17.82	79	5.410	245	29.96	98
31.8	4.969	323	38.16	39	41.402	333	13.63	180	10.947	321	17.03	26	5.655	269	28.98	117
Apr. 10.8	5.292	344	37.77	18	41.735	354	11.83	170	11.268	343	16.77	29	5.924	288	27.81	134
20.8	5.636	358	37.95	74	42.089	370	10.13	157	11.611	358	17.06	84	6.212	303	26.47	149
30.8	5.994	364	38.69	128	42.459	381	8.56	140	11.969	365	17.90	137	6.515	313	24.98	158
Mai 10.7	6.358	361	39.97	178	42.840	383	7.16	119	12.334	364	19.27	185	6.828	318	23.40	164
20.7	6.719	349	41.75	221	43.223	378	5.97	95	12.698	353	21.12	228	7.146	314	21.76	165
30.7	7.068	327	43.96	259	43.601	365	5.02	69	13.051	334	23.40	264	7.460	303	20.11	161
Juni 9.7	7.395	297	46.55	289	43.966	341	4.33	41	13.385	307	26.04	294	7.763	286	18.50	154
19.6	7.692	260	49.44	311	44.307	311	3.92	12	13.692	271	28.98	315	8.049	261	16.96	142
29.6	7.952	216	52.55	326	44.618	272	3.80	17	13.963	230	32.13	328	8.310	229	15.54	127
Juli 9.6	8.168	167	55.81	332	44.890	225	3.97	45	14.193	183	35.41	335	8.539	192	14.27	109
19.5	8.335	115	59.13	331	45.115	174	4.42	70	14.376	132	38.76	333	8.731	150	13.18	89
29.5	8.450	60	62.44	322	45.289	118	5.12	91	14.508	80	42.09	324	8.881	105	12.29	70
Aug. 8.5	8.510	7	65.66	308	45.407	60	6.03	110	14.588	28	45.33	310	8.986	59	11.59	49
18.5	8.517	46	68.74	286	45.467	4	7.13	121	14.616	24	48.43	288	9.045	14	11.10	29
28.4	8.471	95	71.60	260	45.471	50	8.34	128	14.592	72	51.31	263	9.059	29	10.81	12
Sept. 7.4	8.376	138	74.20	228	45.421	99	9.62	128	14.520	114	53.94	231	9.030	68	10.69	4
17.4	8.238	174	76.48	193	45.322	141	10.90	121	14.406	149	56.25	196	8.962	100	10.73	17
27.4	8.064	202	78.41	152	45.181	173	12.11	110	14.257	178	58.21	158	8.862	125	10.90	27
Okt. 7.3	7.862	222	79.93	109	45.008	194	13.21	92	14.079	197	59.79	116	8.737	142	11.17	35
17.3	7.640	233	81.02	64	44.814	205	14.13	69	13.882	208	60.95	72	8.595	150	11.52	39
27.3	7.407	233	81.66	17	44.609	203	14.82	44	13.674	209	61.67	26	8.445	150	11.91	43
Nov. 6.2	7.174	224	81.83	32	44.406	192	15.26	16	13.465	202	61.93	20	8.295	140	12.34	44
16.2	6.950	208	81.51	80	44.214	170	15.42	13	13.263	187	61.73	66	8.155	124	12.78	43
26.2	6.742	185	80.71	126	44.044	140	15.29	41	13.076	165	61.07	111	8.031	102	13.21	42
Dez. 6.2	6.557	155	79.45	169	43.904	104	14.88	68	12.911	136	59.96	152	7.929	76	13.63	39
16.1	6.402	118	77.76	207	43.800	64	14.20	93	12.775	104	58.44	189	7.853	46	14.02	36
26.1	6.284	79	75.69	238	43.736	22	13.27	115	12.671	66	56.55	219	7.807	15	14.38	30
36.1	6.205		73.31		43.714		12.12		12.605		54.36		7.792		14.68	
Mittl. Ort	4.686		49.10		39.966		23.17		10.517		26.27		4.488		30.42	
sec δ, tg δ	1.322		+0.865		1.286		−0.809		1.275		+0.791		1.021		−0.207	

*) Die jährliche Parallaxe (0.″30) ist bereits berücksichtigt.

Mittlere Zeit Greenw.	795) Br. 2777 AR.		795) Br. 2777 Dekl.		797) ζ Cygni AR.		797) ζ Cygni Dekl.	
1917	$21^h\ 7^m$		+77° 47′		$21^h\ 9^m$		+29° 53′	
Jan. 1.1	4.89	57	38.85	261	23.696	37	16.97	212
11.1	4.32	40	36.24	295	23.659	1	14.85	226
21.1	3.92	22	33.29	317	23.658	37	12.59	231
31.0	3.70	3	30.12	326	23.695	75	10.28	225
Feb. 10.0	3.67	17	26.86	322	23.770	113	8.03	210
20.0	3.84	37	23.64	305	23.883	152	5.93	185
März 1.9	4.21	54	20.59	276	24.035	189	4.08	153
11.9	4.75	70	17.83	235	24.224	224	2.55	112
21.9	5.45	84	15.48	186	24.448	256	1.43	66
31.9	6.29	95	13.62	130	24.704	283	0.77	18
Apr. 10.8	7.24	102	12.32	69	24.987	306	0.59	33
20.8	8.26	106	11.63	6	25.293	323	0.92	83
30.8	9.32	106	11.57	56	25.616	332	1.75	130
Mai 10.8	10.38	104	12.13	117	25.948	334	3.05	173
20.7	11.42	98	13.30	173	26.282	327	4.78	211
30.7	12.40	90	15.03	224	26.609	312	6.89	242
Juni 9.7	13.30	78	17.27	269	26.921	290	9.31	268
19.6	14.08	65	19.96	306	27.211	260	11.99	285
29.6	14.73	50	23.02	335	27.471	223	14.84	296
Juli 9.6	15.23	34	26.37	356	27.694	181	17.80	299
19.6	15.57	17	29.93	370	27.875	135	20.79	295
29.5	15.74	1	33.63	375	28.010	88	23.74	286
Aug. 8.5	15.75	16	37.38	371	28.098	38	26.60	271
18.5	15.59	33	41.09	360	28.136	10	29.31	250
28.4	15.26	48	44.69	342	28.126	54	31.81	225
Sept. 7.4	14.78	62	48.11	317	28.072	94	34.06	196
17.4	14.16	75	51.28	285	27.978	128	36.02	164
27.4	13.41	85	54.13	246	27.850	155	37.66	128
Okt. 7.3	12.56	94	56.59	202	27.695	174	38.94	92
17.3	11.62	100	58.61	153	27.521	184	39.86	53
27.3	10.62	104	60.14	99	27.337	187	40.39	12
Nov. 6.3	9.58	105	61.13	41	27.150	181	40.51	28
16.2	8.53	103	61.54	18	26.969	167	40.23	69
26.2	7.50	98	61.36	77	26.802	148	39.54	108
Dez. 6.2	6.52	90	60.59	135	26.654	123	38.46	143
16.1	5.62	80	59.24	189	26.531	94	37.03	175
26.1	4.82	66	57.35	237	26.437	61	35.28	201
36.1	4.16		54.98		26.376		33.27	
Mittl. Ort	11.02		24.23		24.175		9.07	
sec δ, tg δ	4.728		+4.621		1.153		+0.575	

Mittlere Zeit Greenw.	800) α Equulei AR.		800) α Equulei Dekl.		803) α Cephei AR.		803) α Cephei Dekl.	
1917	$21^h\ 11^m$		+4° 54′		$21^h\ 16^m$		+62° 13′	
Jan. 1.1	40.424	5	17.02	110	33.91	20	74.79	262
11.1	40.419	25	15.92	111	33.71	14	72.17	292
21.1	40.444	56	14.81	105	33.57	5	69.25	311
31.0	40.500	88	13.76	95	33.52	2	66.14	317
Feb. 10.0	40.588	118	12.81	78	33.54	11	62.97	311
20.0	40.706	149	12.03	56	33.65	19	59.86	293
März 1.9	40.855	179	11.47	30	33.84	27	56.93	261
11.9	41.034	207	11.17	0	34.11	34	54.32	219
21.9	41.241	234	11.17	32	34.45	40	52.13	169
31.9	41.475	258	11.49	64	34.85	46	50.44	113
Apr. 10.8	41.733	278	12.13	97	35.31	50	49.31	52
20.8	42.011	295	13.10	127	35.81	52	48.79	10
30.8	42.306	305	14.37	153	36.33	54	48.89	72
Mai 10.8	42.611	310	15.90	176	36.87	53	49.61	132
20.7	42.921	306	17.66	193	37.40	51	50.93	186
30.7	43.227	296	19.59	204	37.91	48	52.79	236
Juni 9.7	43.523	278	21.63	210	38.39	44	55.15	278
19.6	43.801	254	23.73	210	38.83	38	57.93	313
29.6	44.055	223	25.83	206	39.21	31	61.06	340
Juli 9.6	44.278	186	27.89	196	39.52	24	64.46	358
19.6	44.464	146	29.85	183	39.76	15	68.04	370
29.5	44.610	102	31.68	165	39.91	8	71.74	371
Aug. 8.5	44.712	58	33.33	146	39.99	0	75.45	366
18.5	44.770	14	34.79	125	39.99	8	79.11	352
28.4	44.784	28	36.04	103	39.91	16	82.63	332
Sept. 7.4	44.756	65	37.07	80	39.75	23	85.95	304
17.4	44.691	97	37.87	58	39.52	29	88.99	270
27.4	44.594	121	38.45	35	39.23	33	91.69	231
Okt. 7.3	44.473	138	38.80	14	38.90	38	94.00	187
17.3	44.335	146	38.94	6	38.52	41	95.87	136
27.3	44.189	148	38.88	26	38.11	41	97.23	84
Nov. 6.3	44.041	140	38.62	44	37.70	42	98.07	27
16.2	43.901	126	38.18	62	37.28	41	98.34	31
26.2	43.775	107	37.56	77	36.87	39	98.03	87
Dez. 6.2	43.668	83	36.79	91	36.48	35	97.16	143
16.1	43.585	56	35.88	102	36.13	30	95.73	195
26.1	43.529	28	34.86	109	35.83	25	93.78	239
36.1	43.501		33.77		35.58		91.39	
Mittl. Ort	40.521		14.38		35.97		60.83	
sec δ, tg δ	1.004		+0.086		2.147		+1.900	

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Mittlere Zeit Greenw.	804) ι Pegasi				805) γ Pavonis				806) ζ Capricorni				808) β Aquarii			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
	$21^h\ 18^m$		$+19°\ 26'$		$21^h\ 19^m$		$-65°\ 44'$		$21^h\ 21^m$		$-22°\ 45'$		$21^h\ 27^m$		$-5°\ 55'$	
1917	s		"		s		"		s		"		s		"	
Jan. 1.1	14.607	27	61.58	170	35.22	11	43.13	256	55.945	7	80.81	35	11.480	12	72.39	54
11.1	14.580	6	59.88	179	35.11	3	40.57	283	55.938	26	80.46	50	11.468	17	72.93	48
21.1	14.586	39	58.09	181	35.08	6	37.74	302	55.964	59	79.96	64	11.485	47	73.41	38
31.0	14.625	72	56.28	173	35.14	15	34.72	313	56.023	91	79.32	79	11.532	77	73.79	25
Feb. 10.0	14.697	107	54.55	158	35.29	22	31.59	317	56.114	124	78.53	94	11.609	108	74.04	10
20.0	14.804	141	52.97	135	35.51	30	28.42	315	56.238	156	77.59	108	11.717	138	74.14	10
März 2.0	14.945	174	51.62	105	35.81	37	25.27	306	56.394	187	76.51	123	11.855	168	74.04	32
11.9	15.119	206	50.57	69	36.18	43	22.21	292	56.581	217	75.28	136	12.023	197	73.72	55
21.9	15.325	236	49.88	29	36.61	50	19.29	270	56.798	246	73.92	148	12.220	225	73.17	80
31.9	15.561	263	49.59	14	37.11	54	16.59	244	57.044	271	72.44	158	12.445	251	72.37	104
Apr. 10.8	15.824	286	49.73	57	37.65	59	14.15	214	57.315	295	70.86	165	12.696	274	71.33	126
20.8	16.110	303	50.30	99	38.24	62	12.01	178	57.610	314	69.21	168	12.970	292	70.07	146
30.8	16.413	314	51.29	138	38.86	64	10.23	140	57.924	326	67.53	167	13.262	306	68.61	163
Mai 10.8	16.727	319	52.67	174	39.50	65	8.83	98	58.250	334	65.86	162	13.568	312	66.98	174
20.7	17.046	315	54.41	204	40.15	65	7.85	55	58.584	334	64.24	152	13.880	313	65.24	181
30.7	17.361	304	56.45	228	40.80	62	7.30	9	58.918	326	62.72	140	14.193	306	63.43	184
Juni 9.7	17.665	285	58.73	246	41.42	59	7.21	35	59.244	310	61.32	122	14.499	291	61.59	181
19.7	17.950	260	61.19	258	42.01	54	7.56	78	59.554	287	60.10	102	14.790	269	59.78	173
29.6	18.210	227	63.77	263	42.55	47	8.34	119	59.841	255	59.08	79	15.059	240	58.05	161
Juli 9.6	18.437	188	66.40	261	43.02	40	9.53	156	60.096	218	58.29	56	15.299	205	56.44	146
19.6	18.625	147	69.01	254	43.42	31	11.09	188	60.314	175	57.73	31	15.504	166	54.98	128
29.5	18.772	102	71.55	242	43.73	21	12.97	213	60.489	129	57.42	8	15.670	122	53.70	107
Aug. 8.5	18.874	56	73.97	225	43.94	11	15.10	229	60.618	80	57.34	15	15.792	78	52.63	87
18.5	18.930	11	76.22	204	44.05	1	17.39	239	60.698	32	57.49	33	15.870	33	51.76	65
28.5	18.941	32	78.26	180	44.06	9	19.78	238	60.730	15	57.82	49	15.903	10	51.11	45
Sept. 7.4	18.909	70	80.06	154	43.97	19	22.16	228	60.715	57	58.31	62	15.893	49	50.66	26
17.4	18.839	103	81.60	125	43.78	27	24.44	208	60.658	95	58.93	68	15.844	82	50.40	8
27.4	18.736	129	82.85	95	43.51	34	26.52	179	60.563	124	59.61	72	15.762	110	50.32	8
Okt. 7.4	18.607	148	83.80	64	43.17	40	28.31	143	60.439	144	60.33	71	15.652	128	50.40	20
17.3	18.459	158	84.44	32	42.77	43	29.74	99	60.295	156	61.04	65	15.524	140	50.60	31
27.3	18.301	161	84.76	0	42.34	45	30.73	50	60.139	159	61.69	57	15.384	142	50.91	40
Nov. 6.3	18.140	155	84.76	33	41.89	44	31.23	1	59.980	153	62.26	46	15.242	138	51.31	47
16.2	17.985	144	84.43	63	41.45	41	31.22	54	59.827	139	62.72	33	15.104	126	51.78	53
26.2	17.841	126	83.80	93	41.04	38	30.68	105	59.688	118	63.05	19	14.978	109	52.31	56
Dez. 6.2	17.715	104	82.87	121	40.66	31	29.63	153	59.570	92	63.24	4	14.869	86	52.87	58
16.2	17.611	77	81.66	144	40.35	24	28.10	197	59.478	63	63.28	10	14.783	61	53.45	59
26.1	17.534	48	80.22	163	40.11	17	26.13	235	59.415	31	63.18	25	14.722	33	54.04	57
36.1	17.486		78.59		39.94		23.78		59.384		62.93		14.689		54.61	
Mittl. Ort	14.851		55.41		35.80		33.81		55.873		77.62		11.438		72.97	
sec δ, tg δ	1.061		+0.353		2.434		−2.219		1.085		−0.420		1.005		−0.104	

Mittlere Zeit Greenw.	809) β Cephei				810) ν Octantis				811) 74 Cygni				815) ε Pegasi			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$21^h 27^m$		$+70° 11'$		$21^h 32^m$		$-77° 45'$		$21^h 33^m$		$+40° 2'$		$21^h 40^m$		$+9° 29'$	
Jan. 1.1	32.58	35	62.12	250	15.88	36	45.28	292	36.628	86	36.07	222	6.538	31	42.62	123
11.1	32.23	25	59.62	285	15.52	20	42.36	321	36.542	47	33.85	245	6.507	4	41.39	125
21.1	31.98	15	56.77	309	15.32	4	39.15	342	36.495	6	31.40	258	6.503	26	40.14	123
31.0	31.83	4	53.68	322	15.28	14	35.73	355	36.489	37	28.82	259	6.529	57	38.91	115
Feb. 10.0	31.79	9	50.46	321	15.42	30	32.18	358	36.526	83	26.23	251	6.586	87	37.76	100
20.0	31.88	20	47.25	307	15.72	46	28.60	352	36.609	130	23.72	231	6.673	120	36.76	80
März 2.0	32.08	31	44.18	280	16.18	60	25.08	341	36.739	174	21.41	201	6.793	152	35.96	54
11.9	32.39	42	41.38	242	16.78	73	21.67	321	36.913	218	19.40	162	6.945	184	35.42	23
21.9	32.81	51	38.96	195	17.51	85	18.46	294	37.131	259	17.78	117	7.129	214	35.19	10
31.9	33.32	59	37.01	142	18.36	96	15.52	263	37.390	295	16.61	67	7.343	242	35.29	46
Apr. 10.8	33.91	65	35.59	81	19.32	104	12.89	225	37.685	325	15.94	12	7.585	268	35.75	80
20.8	34.56	69	34.78	18	20.36	110	10.64	185	38.010	347	15.82	42	7.853	288	36.55	114
30.8	35.25	70	34.60	43	21.46	115	8.79	139	38.357	362	16.24	96	8.141	303	37.69	146
Mai 10.8	35.95	69	35.03	104	22.61	117	7.40	90	38.719	367	17.20	146	8.444	311	39.15	172
20.7	36.64	68	36.07	163	23.78	115	6.50	41	39.086	364	18.66	192	8.755	313	40.87	195
30.7	37.32	64	37.70	214	24.93	113	6.09	9	39.450	350	20.58	233	9.068	307	42.82	211
Juni 9.7	37.96	57	39.84	260	26.06	106	6.18	59	39.800	328	22.91	266	9.375	292	44.93	222
19.7	38.53	49	42.44	300	27.12	98	6.77	108	40.128	297	25.57	293	9.667	272	47.15	227
29.6	39.02	41	45.44	331	28.10	86	7.85	152	40.425	258	28.50	312	9.939	242	49.42	226
Juli 9.6	39.43	32	48.75	354	28.96	72	9.37	192	40.683	215	31.62	324	10.181	209	51.68	221
19.6	39.75	21	52.29	370	29.68	56	11.29	226	40.898	165	34.86	328	10.390	170	53.89	210
29.6	39.96	10	55.99	376	30.24	39	13.55	252	41.063	113	38.14	325	10.560	127	55.99	195
Aug. 8.5	40.06	1	59.75	376	30.63	20	16.07	270	41.176	60	41.39	315	10.687	83	57.94	177
18.5	40.05	11	63.51	366	30.83	1	18.77	278	41.236	7	44.54	299	10.770	39	59.71	156
28.5	39.94	21	67.17	351	30.84	19	21.55	276	41.243	43	47.53	277	10.809	3	61.27	133
Sept. 7.4	39.73	31	70.68	326	30.65	37	24.31	263	41.200	88	50.30	250	10.806	42	62.60	109
17.4	39.42	39	73.94	296	30.28	54	26.94	239	41.112	129	52.80	218	10.764	76	63.69	85
27.4	39.03	46	76.90	259	29.74	68	29.33	206	40.983	162	54.98	182	10.688	103	64.54	61
Okt. 7.4	38.57	53	79.49	215	29.06	80	31.39	164	40.821	187	56.80	143	10.585	124	65.15	36
17.3	38.04	56	81.64	168	28.26	89	33.03	114	40.634	204	58.23	100	10.461	137	65.51	12
27.3	37.48	59	83.32	114	27.37	93	34.17	58	40.430	213	59.23	55	10.324	142	65.63	11
Nov. 6.3	36.89	61	84.46	58	26.44	94	34.75	1	40.217	213	59.78	8	10.182	140	65.52	34
16.3	36.28	60	85.04	1	25.50	90	34.74	60	40.004	205	59.86	39	10.042	131	65.18	55
26.2	35.68	58	85.03	61	24.60	84	34.14	119	39.799	190	59.47	85	9.911	118	64.63	74
Dez. 6.2	35.10	53	84.42	119	23.76	74	32.95	175	39.609	169	58.62	130	9.793	99	63.89	92
16.2	34.57	48	83.23	175	23.02	62	31.20	225	39.440	143	57.32	171	9.694	76	62.97	108
26.1	34.09	41	81.48	224	22.40	48	28.95	268	39.297	110	55.61	206	9.618	51	61.89	118
36.1	33.68		79.24		21.92		26.27		39.187		53.55		9.567		60.71	
Mittl. Ort	35.70		46.25		17.65		34.92		37.244		24.50		6.563		37.87	
sec δ, tg δ	2.952		+2.777		4.717		−4.609		1.306		+0.840		1.014		+0.167	

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	819) δ Capricorni				821) π^2 Cygni				822) γ Gruis				823) 16 Pegasi			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$21^h\ 42^m$		$-16°\ 29'$		$21^h\ 43^m$		$+48°\ 55'$		$21^h\ 48^m$		$-37°\ 44'$		$21^h\ 49^m$		$+25°\ 31'$	
Jan. 1.1	$27^s.846$	24	$78''.01$	0	$42^s.650$	134	$44''.05$	228	$54^s.576$	48	$87''.37$	107	$16^s.881$	60	$72''.01$	175
11.1	27.822	6	78.01	12	42.516	90	41.77	257	54.528	11	86.30	132	16.821	31	70.26	190
21.1	27.828	36	77.89	27	42.426	41	39.20	276	54.517	26	84.98	154	16.790	1	68.36	197
31.0	27.864	67	77.62	42	42.385	11	36.44	284	54.543	65	83.44	172	16.791	36	66.39	196
Feb. 10.0	27.931	97	77.20	59	42.396	65	33.60	280	54.608	103	81.72	189	16.827	71	64.43	185
20.0	28.028	129	76.61	76	42.461	122	30.80	264	54.711	141	79.83	202	16.898	109	62.58	167
März 2.0	28.157	160	75.85	94	42.583	177	28.16	237	54.852	178	77.81	211	17.007	146	60.91	140
11.9	28.317	191	74.91	112	42.760	230	25.79	200	55.030	216	75.70	218	17.153	183	59.51	105
21.9	28.508	221	73.79	130	42.990	279	23.79	154	55.246	251	73.52	221	17.336	218	58.46	65
31.9	28.729	249	72.49	145	43.269	323	22.25	103	55.497	285	71.31	219	17.554	251	57.81	22
Apr. 10.9	28.978	275	71.04	159	43.592	360	21.22	47	55.782	314	69.12	213	17.805	280	57.59	23
20.8	29.253	296	69.45	168	43.952	387	20.75	11	56.096	340	66.99	204	18.085	303	57.82	70
30.8	29.549	312	67.77	175	44.339	405	20.86	68	56.436	360	64.95	189	18.388	319	58.52	113
Mai 10.8	29.861	323	66.02	176	44.744	412	21.54	123	56.796	373	63.06	170	18.707	329	59.65	154
20.7	30.184	325	64.26	173	45.156	409	22.77	175	57.169	378	61.36	147	19.036	331	61.19	190
30.7	30.509	321	62.53	165	45.565	394	24.52	221	57.547	374	59.89	120	19.367	324	63.09	222
Juni 9.7	30.830	309	60.88	154	45.959	369	26.73	261	57.921	362	58.69	90	19.691	308	65.31	246
19.7	31.139	289	59.34	137	46.328	334	29.34	294	58.283	340	57.79	58	19.999	285	67.77	264
29.6	31.428	261	57.97	118	46.662	292	32.28	319	58.623	309	57.21	25	20.284	256	70.41	276
Juli 9.6	31.689	227	56.79	96	46.954	242	35.47	337	58.932	270	56.96	8	20.540	219	73.17	280
19.6	31.916	187	55.83	72	47.196	186	38.84	346	59.202	224	57.04	41	20.759	177	75.97	279
29.6	32.103	144	55.11	49	47.382	128	42.30	349	59.426	173	57.45	69	20.936	133	78.76	272
Aug. 8.5	32.247	98	54.62	26	47.510	69	45.79	344	59.599	119	58.14	95	21.069	86	81.48	258
18.5	32.345	51	54.36	4	47.579	9	49.23	331	59.718	63	59.09	117	21.155	40	84.06	242
28.5	32.396	6	54.32	16	47.588	48	52.54	312	59.781	7	60.26	131	21.195	5	86.48	219
Sept. 7.4	32.402	35	54.48	33	47.540	101	55.66	287	59.788	44	61.57	141	21.190	46	88.67	193
17.4	32.367	72	54.81	45	47.439	147	58.53	257	59.744	89	62.98	143	21.144	82	90.60	166
27.4	32.295	103	55.26	55	47.292	187	61.10	220	59.655	129	64.41	138	21.062	113	92.26	134
Okt. 7.4	32.192	126	55.81	60	47.105	219	63.30	180	59.526	160	65.79	127	20.949	136	93.60	101
17.3	32.066	139	56.41	61	46.886	241	65.10	135	59.366	179	67.06	109	20.813	151	94.61	67
27.3	31.927	145	57.02	60	46.645	255	66.45	87	59.187	190	68.15	87	20.662	160	95.28	32
Nov. 6.3	31.782	142	57.62	55	46.390	260	67.32	36	58.997	189	69.02	61	20.502	161	95.60	5
16.3	31.640	133	58.17	49	46.130	256	67.68	16	58.808	179	69.63	31	20.341	156	95.55	41
26.2	31.507	118	58.66	41	45.874	243	67.52	68	58.629	162	69.94	0	20.185	143	95.14	76
Dez. 6.2	31.389	96	59.07	31	45.631	223	66.84	119	58.467	137	69.94	30	20.042	127	94.38	108
16.2	31.293	72	59.38	21	45.408	194	65.65	165	58.330	108	69.64	61	19.915	106	93.30	139
26.1	31.221	45	59.59	9	45.214	160	64.00	208	58.222	74	69.03	90	19.809	80	91.91	164
36.1	31.176		59.68		45.054		61.92		58.148		68.13		19.729		90.27	
Mittl. Ort	27.702		76.30		43.528		30.02		54.422		81.04		17.072		62.80	
sec δ, tg δ	1.043		−0.296		1.522		+1.147		1.265		−0.774		1.108		+0.478	

Mittlere Zeit Greenw.	827) α Aquarii AR.		827) α Aquarii Dekl.		828) ι Aquarii AR.		828) ι Aquarii Dekl.		830) 20 Cephei AR.		830) 20 Cephei Dekl.		829) α Gruis AR.		829) α Gruis Dekl.	
	22h 1m		−0° 42′		22h 1m		−14° 15′		22h 2m		+62° 22′		22h 3m		−47° 21′	
1917	s		″		s		″		s		″		s		″	
Jan. 1.1	31.444	39	82.24	73	57.604	39	83.18	12	27.53	27	67.11	216	0.658	87	57.49	147
11.1	31.405	15	82.97	70	57.565	13	83.30	1	27.26	21	64.95	256	0.571	45	56.02	177
21.1	31.390	12	83.67	62	57.552	16	83.29	15	27.05	14	62.39	285	0.526	2	54.25	204
31.1	31.402	41	84.29	52	57.568	45	83.14	31	26.91	6	59.54	302	0.524	43	52.21	225
Feb. 10.0	31.443	70	84.81	36	57.613	75	82.83	48	26.85	1	56.52	308	0.567	89	49.96	243
20.0	31.513	101	85.17	16	57.688	106	82.35	67	26.86	10	53.44	301	0.656	134	47.53	255
März 2.0	31.614	133	85.33	6	57.794	138	81.68	86	26.96	19	50.43	280	0.790	179	44.98	262
12.0	31.747	165	85.27	32	57.932	170	80.82	107	27.15	26	47.63	249	0.969	224	42.36	265
21.9	31.912	196	84.95	59	58.102	202	79.75	126	27.41	34	45.14	207	1.193	265	39.71	262
31.9	32.108	226	84.36	87	58.304	232	78.49	144	27.75	41	43.07	158	1.458	305	37.09	255
Apr. 10.9	32.334	254	83.49	113	58.536	259	77.05	159	28.16	46	41.49	103	1.763	342	34.54	243
20.8	32.588	277	82.36	139	58.795	284	75.46	172	28.62	50	40.46	44	2.105	374	32.11	225
30.8	32.865	296	80.97	160	59.079	303	73.74	181	29.12	53	40.02	17	2.479	398	29.86	202
Mai 10.8	33.161	308	79.37	178	59.382	317	71.93	185	29.65	55	40.19	77	2.877	416	27.84	176
20.8	33.469	314	77.59	191	59.699	323	70.08	184	30.20	54	40.96	135	3.293	425	26.08	144
30.7	33.783	312	75.68	198	60.022	321	68.24	179	30.74	53	42.31	188	3.718	423	24.64	109
Juni 9.7	34.095	302	73.70	202	60.343	312	66.45	169	31.27	49	44.19	235	4.141	412	23.55	73
19.7	34.397	284	71.68	198	60.655	295	64.76	155	31.76	45	46.54	277	4.553	390	22.82	33
29.7	34.681	260	69.70	190	60.950	271	63.21	136	32.21	40	49.31	312	4.943	358	22.49	6
Juli 9.6	34.941	228	67.80	178	61.221	238	61.85	115	32.61	33	52.43	338	5.301	316	22.55	45
19.6	35.169	192	66.02	162	61.459	201	60.70	92	32.94	25	55.81	357	5.617	266	23.00	81
29.6	35.361	151	64.40	144	61.660	160	59.78	67	33.19	18	59.38	368	5.883	209	23.81	115
Aug. 8.5	35.512	108	62.96	122	61.820	115	59.11	43	33.37	10	63.06	372	6.092	148	24.96	142
18.5	35.620	64	61.74	101	61.935	69	58.68	20	33.47	2	66.78	367	6.240	84	26.38	165
28.5	35.684	22	60.73	78	62.004	24	58.48	2	33.49	6	70.45	354	6.324	20	28.03	180
Sept. 7.5	35.706	18	59.95	56	62.028	17	58.50	21	33.43	13	73.99	335	6.344	41	29.83	188
17.4	35.688	54	59.39	35	62.011	55	58.71	36	33.30	20	77.34	309	6.303	97	31.71	187
27.4	35.634	84	59.04	15	61.956	87	59.07	49	33.10	25	80.43	276	6.206	145	33.58	178
Okt. 7.4	35.550	106	58.89	2	61.869	111	59.56	57	32.85	31	83.19	237	6.061	184	35.36	161
17.4	35.444	122	58.91	18	61.758	128	60.13	61	32.54	35	85.56	193	5.877	212	36.97	137
27.3	35.322	131	59.09	32	61.630	136	60.74	62	32.19	37	87.49	143	5.665	228	38.34	107
Nov. 6.3	35.191	131	59.41	44	61.494	138	61.36	60	31.82	39	88.92	89	5.437	233	39.41	71
16.3	35.060	126	59.85	54	61.356	132	61.96	56	31.43	40	89.81	33	5.204	227	40.12	32
26.2	34.934	116	60.39	63	61.224	120	62.52	49	31.03	40	90.14	26	4.977	210	40.44	7
Dez. 6.2	34.818	100	61.02	69	61.104	103	63.01	41	30.63	37	89.88	83	4.767	185	40.37	48
16.2	34.718	80	61.71	73	61.001	82	63.42	32	30.26	34	89.05	139	4.582	153	39.89	88
26.2	34.638	59	62.44	75	60.919	58	63.74	21	29.92	30	87.66	189	4.429	117	39.01	124
36.1	34.579		63.19		60.861		63.95		29.62		85.77		4.312		37.77	
Mittl. Ort	31.290		84.92		57.383		82.22		29.08		49.38		0.502		49.23	
sec δ, tg δ	1.000		−0.013		1.032		−0.254		2.157		+1.911		1.476		−1.086	

Mittlere Zeit Greenw.	834) ϑ Pegasi AR.		834) ϑ Pegasi Dekl.		835) π Pegasi AR.		835) π Pegasi Dekl.		836) ζ Cephei AR.		836) ζ Cephei Dekl.		837) 24 Cephei AR.		837) 24 Cephei Dekl.	
1917	$22^h\,6^m$		$+5°\,47'$		$22^h\,6^m$		$+32°\,46'$		$22^h\,7^m$		$+57°\,47'$		$22^h\,8^m$		$+71°\,55'$	
Jan. 1.1	^{s}0.918	47	$''$25.05	99	^{s}17.742	89	$''$25.67	182	^{s}57.204	222	$''$47.65	211	^{s}10.10	47	$''$75.20	204
11.1	0.871	22	24.06	100	17.653	60	23.85	205	56.982	173	45.54	248	9.63	38	73.16	249
21.1	0.849	5	23.06	97	17.593	27	21.80	218	56.809	115	43.06	277	9.25	28	70.67	284
31.1	0.854	34	22.09	89	17.566	10	19.62	222	56.694	52	40.29	294	8.97	16	67.83	306
Feb. 10.0	0.888	63	21.20	74	17.576	48	17.40	216	56.642	16	37.35	298	8.81	4	64.77	317
20.0	0.951	95	20.46	56	17.624	90	15.24	201	56.658	88	34.37	291	8.77	10	61.60	315
März 2.0	1.046	128	19.90	31	17.714	131	13.23	177	56.746	160	31.46	271	8.87	22	58.45	299
12.0	1.174	161	19.59	4	17.845	173	11.46	144	56.906	230	28.75	239	9.09	35	55.46	271
21.9	1.335	193	19.55	26	18.018	214	10.02	104	57.136	296	26.36	199	9.44	46	52.75	233
31.9	1.528	224	19.81	58	18.232	251	8.98	60	57.432	356	24.37	150	9.90	57	50.42	186
Apr. 10.9	1.752	252	20.39	90	18.483	284	8.38	12	57.788	406	22.87	96	10.47	64	48.56	132
20.8	2.004	277	21.29	120	18.767	312	8.26	37	58.194	446	21.91	38	11.11	71	47.24	73
30.8	2.281	295	22.49	148	19.079	332	8.63	86	58.640	473	21.53	21	11.82	75	46.51	12
Mai 10.8	2.576	309	23.97	172	19.411	345	9.49	132	59.113	487	21.74	80	12.57	77	46.39	49
20.8	2.885	315	25.69	191	19.756	349	10.81	174	59.600	488	22.54	137	13.34	76	46.88	109
30.7	3.200	313	27.60	206	20.105	344	12.55	212	60.088	476	23.91	188	14.10	74	47.97	165
Juni 9.7	3.513	303	29.66	213	20.449	330	14.67	243	60.564	450	25.79	234	14.84	69	49.62	216
19.7	3.816	286	31.79	217	20.779	308	17.10	268	61.014	413	28.13	275	15.53	63	51.78	262
29.7	4.102	261	33.96	214	21.087	277	19.78	286	61.427	366	30.88	308	16.16	54	54.40	300
Juli 9.6	4.363	230	36.10	207	21.364	241	22.64	297	61.793	310	33.96	334	16.70	45	57.40	332
19.6	4.593	193	38.17	195	21.605	198	25.61	301	62.103	246	37.30	352	17.15	35	60.72	355
29.6	4.786	154	40.12	179	21.803	153	28.62	299	62.349	179	40.82	361	17.50	24	64.27	371
Aug. 8.5	4.940	110	41.91	160	21.956	104	31.61	291	62.528	110	44.43	364	17.74	13	67.98	379
18.5	5.050	67	43.51	139	22.060	55	34.52	277	62.638	39	48.07	359	17.87	0	71.77	379
28.5	5.117	24	44.90	116	22.115	9	37.29	257	62.677	30	51.66	346	17.87	10	75.56	371
Sept. 7.5	5.141	15	46.06	94	22.124	35	39.86	234	62.647	94	55.12	326	17.77	20	79.27	355
17.4	5.126	51	47.00	70	22.089	75	42.20	205	62.553	153	58.38	301	17.57	31	82.82	332
27.4	5.075	81	47.70	47	22.014	109	44.25	174	62.400	206	61.39	267	17.26	40	86.14	302
Okt. 7.4	4.994	103	48.17	26	21.905	136	45.99	140	62.194	249	64.06	229	16.86	47	89.16	266
17.4	4.891	120	48.43	5	21.769	156	47.39	102	61.945	285	66.35	186	16.39	54	91.82	222
27.3	4.771	130	48.48	15	21.613	168	48.41	64	61.660	310	68.21	138	15.85	59	94.04	173
Nov. 6.3	4.641	131	48.33	33	21.445	173	49.05	23	61.350	325	69.59	85	15.26	63	95.77	119
16.3	4.510	127	48.00	50	21.272	172	49.28	19	61.025	330	70.44	30	14.63	64	96.96	61
26.2	4.383	118	47.50	66	21.100	164	49.09	59	60.695	325	70.74	26	13.99	63	97 57	1
Dez. 6.2	4.265	103	46.84	78	20.936	151	48.50	99	60.370	310	70.48	82	13.36	62	97.58	60
16.2	4.162	85	46.06	90	20.785	132	47.51	136	60.060	285	69.66	136	12.74	58	96.98	119
26.2	4.077	64	45.16	98	20.653	109	46.15	167	59.775	250	68.30	185	12.16	52	95.79	175
36.1	4.013		44.18		20.544		44.48		59.525		66.45		11.64		94.04	
Mittl. Ort	0.788		20.44		17.968		13.76		58.339		30.27		12.90		55.78	
sec δ, tg δ	1.005		+0.101		1.189		+0.644		1.876		+1.587		3.224		+3.065	

Mittlere Zeit Greenw.	840) ϑ Aquarii AR.		840) ϑ Aquarii Dekl.		841) α Tucanae AR.		841) α Tucanae Dekl.		842) γ Aquarii AR.		842) γ Aquarii Dekl.		844) 3 Lacertae AR.		844) 3 Lacertae Dekl.	
1917	$22^h\ 12^m$		−8° 11′		$22^h\ 12^m$		−60° 39′		$22^h\ 17^m$		−1° 47′		$22^h\ 20^m$		+51° 48′	
Jan. 1.1	27.558	46	48.53	40	49.62	17	96.40	199	22.426	51	79.15	67	16.908	184	63.13	197
11.1	27.512	22	48.93	31	49.45	12	94.41	235	22.375	27	79.82	62	16.724	145	61.16	233
21.1	27.490	5	49.24	19	49.33	5	92.06	265	22.348	2	80.44	54	16.579	100	58.83	260
31.1	27.495	32	49.43	5	49.28	1	89.41	290	22.346	26	80.98	42	16.479	48	56.23	277
Feb. 10.0	27.527	62	49.48	11	49.29	8	86.51	306	22.372	55	81.40	27	16.431	9	53.46	281
20.0	27.589	93	49.37	30	49.37	14	83.45	316	22.427	85	81.67	8	16.440	68	50.65	275
März 2.0	27.682	125	49.07	53	49.51	20	80.29	320	22.512	118	81.75	14	16.508	130	47.90	256
12.0	27.807	157	48.54	76	49.71	26	77.09	316	22.630	150	81.61	39	16.638	190	45.34	227
21.9	27.964	189	47.78	98	49.97	33	73.93	307	22.780	183	81.22	66	16.828	249	43.07	188
31.9	28.153	220	46.80	120	50.30	38	70.86	291	22.963	215	80.56	92	17.077	303	41.19	142
Apr. 10.9	28.373	249	45.60	142	50.68	43	67.95	269	23.178	244	79.64	118	17.380	349	39.77	89
20.8	28.622	274	44.18	160	51.11	48	65.26	243	23.422	270	78.46	143	17.729	388	38.88	34
30.8	28.896	295	42.58	174	51.59	51	62.83	210	23.692	291	77.03	163	18.117	416	38.54	23
Mai 10.8	29.191	310	40.84	185	52.10	53	60.73	174	23.983	306	75.40	179	18.533	433	38.77	79
20.8	29.501	317	38.99	191	52.63	55	58.99	133	24.289	314	73.61	193	18.966	438	39.56	133
30.7	29.818	317	37.08	191	53.18	55	57.66	88	24.603	315	71.68	199	19.404	431	40.89	183
Juni 9.7	30.135	309	35.17	187	53.73	53	56.78	43	24.918	308	69.69	201	19.835	414	42.72	227
19.7	30.444	294	33.30	178	54.26	51	56.35	3	25.226	292	67.68	197	20.249	385	44.99	266
29.7	30.738	271	31.52	165	54.77	46	56.38	49	25.518	270	65.71	189	20.634	347	47.65	298
Juli 9.6	31.009	241	29.87	147	55.23	42	56.87	93	25.788	240	63.82	176	20.981	300	50.63	323
19.6	31.250	205	28.40	126	55.65	35	57.80	135	26.028	205	62.06	160	21.281	246	53.86	339
29.6	31.455	165	27.14	104	56.00	28	59.15	170	26.233	166	60.46	140	21.527	189	57.25	348
Aug. 8.5	31.620	122	26.10	81	56.28	19	60.85	199	26.399	124	59.06	118	21.716	128	60.73	350
18.5	31.742	77	25.29	58	56.47	11	62.84	222	26.523	80	57.88	96	21.844	67	64.23	345
28.5	31.819	34	24.71	35	56.58	3	65.06	236	26.603	38	56.92	73	21.911	6	67.68	332
Sept. 7.5	31.853	7	24.36	13	56.61	6	67.42	240	26.641	3	56.19	51	21.917	51	71.00	314
17.4	31.846	44	24.23	5	56.55	14	69.82	234	26.638	40	55.68	30	21.866	104	74.14	288
27.4	31.802	75	24.28	21	56.41	21	72.16	219	26.598	70	55.38	10	21.762	150	77.02	257
Okt. 7.4	31.727	100	24.49	35	56.20	26	74.35	194	26.528	95	55.28	7	21.612	189	79.59	220
17.4	31.627	118	24.84	44	55.94	31	76.29	161	26.433	113	55.35	22	21.423	222	81.79	179
27.3	31.509	128	25.28	51	55.63	35	77.90	120	26.320	123	55.57	35	21.201	244	83.58	133
Nov. 6.3	31.381	131	25.79	56	55.28	35	79.10	74	26.197	127	55.92	46	20.957	259	84.91	84
16.3	31.250	127	26.35	58	54.93	35	79.84	25	26.070	125	56.38	55	20.698	265	85.75	32
26.2	31.123	117	26.93	58	54.58	34	80.09	26	25.945	116	56.93	62	20.433	263	86.07	21
Dez. 6.2	31.006	103	27.51	55	54.24	30	79.83	78	25.829	104	57.55	66	20.170	253	85.86	75
16.2	30.903	85	28.06	52	53.94	26	79.05	126	25.725	87	58.21	69	19.917	234	85.11	126
26.2	30.818	64	28.58	46	53.68	22	77.79	171	25.638	67	58.90	69	19.683	205	83.85	172
36.1	30.754		29.04		53.46		76.08		25.571		59.59		19.478		82.13	
Mittl. Ort	27.313		49.35		49.62		86.03		22.190		81.88		17.594		46.05	
sec δ, tg δ	1.010		−0.144		2.042		−1.780		1.000		−0.032		1.618		+1.271	

Scheinbare Sternörter 1917

Mittlere Zeit Greenw.	848) 7 Lacertae				850) η Aquarii				852) 10 Lacertae				855) ζ Pegasi			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	$22^h\,27^m$		$+49^\circ\,51'$		$22^h\,31^m$		$-0^\circ\,32'$		$22^h\,35^m$		$+38^\circ\,36'$		$22^h\,37^m$		$+10^\circ\,23'$	
Jan. 1.2	$51^s.611$	176	$36''.58$	188	$5^s.806$	60	$41''.23$	71	$31^s.925$	127	$79''.41$	170	$19^s.569$	70	$58''.56$	106
11.1	51.435	141	34.70	224	5.746	38	41.94	66	31.798	101	77.71	200	19.499	50	57.50	112
21.1	51.294	99	32.46	251	5.708	14	42.60	59	31.697	68	75.71	220	19.449	26	56.38	112
31.1	51.195	51	29.95	268	5.694	12	43.19	48	31.629	32	73.51	232	19.423	1	55.26	107
Feb. 10.0	51.144	1	27.27	273	5.706	40	43.67	34	31.597	9	71.19	233	19.424	30	54.19	96
20.0	51.145	58	24.54	267	5.746	71	44.01	14	31.606	54	68.86	225	19.454	61	53.23	80
März 2.0	51.203	117	21.87	251	5.817	103	44.15	8	31.660	100	66.61	207	19.515	96	52.43	58
12.0	51.320	176	19.36	222	5.920	137	44.07	32	31.760	147	64.54	179	19.611	131	51.85	31
21.9	51.496	233	17.14	185	6.057	171	43.75	59	31.907	195	62.75	143	19.742	166	51.54	1
31.9	51.729	285	15.29	140	6.228	203	43.16	87	32.102	239	61.32	100	19.908	201	51.53	32
Apr. 10.9	52.014	332	13.89	89	6.431	235	42.29	113	32.341	279	60.32	53	20.109	234	51.85	66
20.9	52.346	370	13.00	34	6.666	263	41.16	138	32.620	314	59.79	4	20.343	263	52.51	99
30.8	52.716	400	12.66	21	6.929	286	39.78	161	32.934	342	59.75	47	20.606	287	53.50	131
Mai 10.8	53.116	419	12.87	76	7.215	303	38.17	178	33.276	360	60.22	96	20.893	305	54.81	159
20.8	53.535	426	13.63	129	7.518	313	36.39	193	33.636	370	61.18	143	21.198	315	56.40	184
30.7	53.961	422	14.92	179	7.831	315	34.46	201	34.006	370	62.61	186	21.513	319	58.24	202
Juni 9.7	54.383	407	16.71	223	8.146	311	32.45	204	34.376	360	64.47	224	21.832	314	60.26	217
19.7	54.790	381	18.94	261	8.457	298	30.41	202	34.736	342	66.71	254	22.146	300	62.43	225
29.7	55.171	346	21.55	292	8.755	276	28.39	195	35.078	313	69.25	280	22.446	280	64.68	227
Juli 9.6	55.517	303	24.47	317	9.031	249	26.44	183	35.391	278	72.05	298	22.726	252	66.95	224
19.6	55.820	252	27.64	334	9.280	216	24.61	168	35.669	237	75.03	309	22.978	218	69.19	216
29.6	56.072	197	30.98	343	9.496	177	22.93	149	35.906	191	78.12	314	23.196	180	71.35	204
Aug. 8.6	56.269	140	34.41	345	9.673	136	21.44	127	36.097	142	81.26	311	23.376	139	73.39	187
18.5	56.409	80	37.86	340	9.809	93	20.17	105	36.239	92	84.37	302	23.515	97	75.26	168
28.5	56.489	22	41.26	329	9.902	51	19.12	81	36.331	42	87.39	288	23.612	54	76.94	146
Sept. 7.5	56.511	33	44.55	310	9.953	10	18.31	59	36.373	6	90.27	268	23.666	14	78.40	124
17.4	56.478	85	47.65	285	9.963	27	17.72	37	36.367	49	92.95	244	23.680	23	79.64	99
27.4	56.393	130	50.50	255	9.936	59	17.35	17	36.318	87	95.39	214	23.657	55	80.63	75
Okt. 7.4	56.263	168	53.05	221	9.877	84	17.18	2	36.231	120	97.53	181	23.602	81	81.38	51
17.4	56.095	200	55.26	180	9.793	104	17.20	18	36.111	146	99.34	144	23.521	102	81.89	27
27.3	55.895	224	57.06	135	9.689	117	17.38	33	35.965	165	100.78	105	23.419	116	82.16	5
Nov. 6.3	55.671	239	58.41	87	9.572	123	17.71	44	35.800	177	101.83	62	23.303	122	82.21	18
16.3	55.432	246	59.28	36	9.449	122	18.15	54	35.623	183	102.45	18	23.181	125	82.03	38
26.3	55.186	245	59.64	15	9.327	117	18.69	62	35.440	182	102.63	26	23.056	122	81.65	57
Dez. 6.2	54.941	237	59.49	67	9.210	107	19.31	68	35.258	175	102.37	71	22.934	113	81.08	75
16.2	54.704	221	58.82	118	9.103	92	19.99	71	35.083	163	101.66	113	22.821	100	80.33	89
26.2	54.483	197	57.64	164	9.011	76	20.70	73	34.920	144	100.53	150	22.721	84	79.44	102
36.1	54.286		56.00		8.935		21.43		34.776		99.03		22.637		78.42	
Mittl. Ort	52.145		19.44		5.510		44.64		32.069		64.49		19.316		51.66	
sec δ, tg δ	1.551		+1.186		1.000		−0.010		1.280		+0.799		1.017		+0.183	

Mittlere Zeit Greenw.	856) β Gruis				857) η Pegasi				859) λ Pegasi				860) ε Gruis			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	22h 37m		−47° 18′		22h 39m		+29° 47′		22h 42m		+23° 7′		22h 43m		−51° 44′	
Jan. 1.2	43.315	128	77.83	124	6.605	102	24.91	154	32.048	90	53.55	138	33.179	156	83.03	138
11.1	43.187	91	76.59	160	6.503	79	23.37	175	31.958	69	52.17	154	33.023	117	81.65	176
21.1	43.096	53	74.99	193	6.424	52	21.62	191	31.889	44	50.63	165	32.906	75	79.89	211
31.1	43.043	11	73.06	220	6.372	21	19.71	198	31.845	15	48.98	168	32.831	28	77.78	241
Feb. 10.1	43.032	33	70.86	242	6.351	15	17.73	195	31.830	17	47.30	163	32.803	19	75.37	264
20.0	43.065	77	68.44	261	6.366	53	15.78	185	31.847	52	45.67	151	32.822	69	72.73	282
März 2.0	43.142	123	65.83	274	6.419	94	13.93	165	31.899	90	44.16	130	32.891	119	69.91	294
12.0	43.265	170	63.09	281	6.513	136	12.28	138	31.989	129	42.86	103	33.010	170	66.97	301
21.9	43.435	216	60.28	284	6.649	178	10.90	102	32.118	168	41.83	70	33.180	221	63.96	301
31.9	43.651	261	57.44	280	6.827	218	9.88	63	32.286	207	41.13	32	33.401	271	60.95	296
Apr. 10.9	43.912	302	54.64	271	7.045	256	9.25	19	32.493	242	40.81	8	33.672	316	57.99	285
20.9	44.214	341	51.93	257	7.301	288	9.06	26	32.735	274	40.89	50	33.988	359	55.14	267
30.8	44.555	373	49.36	237	7.589	314	9.32	71	33.009	299	41.39	90	34.347	395	52.47	244
Mai 10.8	44.928	398	46.99	211	7.903	333	10.03	115	33.308	319	42.29	129	34.742	422	50.03	216
20.8	45.326	415	44.88	181	8.236	344	11.18	156	33.627	330	43.58	165	35.164	441	47.87	182
30.8	45.741	421	43.07	147	8.580	345	12.74	192	33.957	333	45.23	195	35.605	451	46.05	144
Juni 9.7	46.162	418	41.60	109	8.925	338	14.66	223	34.290	327	47.18	221	36.056	449	44.61	103
19.7	46.580	404	40.51	68	9.263	322	16.89	248	34.617	313	49.39	241	36.505	435	43.58	60
29.7	46.984	379	39.83	25	9.585	298	19.37	267	34.930	291	51.80	255	36.940	409	42.98	15
Juli 9.6	47.363	345	39.58	16	9.883	266	22.04	279	35.221	262	54.35	261	37.349	374	42.83	30
19.6	47.708	301	39.74	57	10.149	229	24.83	285	35.483	227	56.96	263	37.723	327	43.13	72
29.6	48.009	248	40.31	95	10.378	187	27.68	284	35.710	187	59.59	259	38.050	272	43.85	113
Aug. 8.6	48.257	191	41.26	130	10.565	143	30.52	277	35.897	145	62.18	249	38.322	211	44.98	148
18.5	48.448	130	42.56	159	10.708	96	33.29	266	36.042	101	64.67	235	38.533	145	46.46	178
28.5	48.578	67	44.15	180	10.804	50	35.95	249	36.143	56	67.02	216	38.678	76	48.24	200
Sept. 7.5	48.645	4	45.95	195	10.854	7	38.44	228	36.199	15	69.18	194	38.754	8	50.24	215
17.5	48.649	54	47.90	201	10.861	33	40.72	203	36.214	24	71.12	170	38.762	56	52.39	220
27.4	48.595	106	49.91	199	10.828	69	42.75	175	36.190	58	72.82	143	38.706	114	54.59	216
Okt. 7.4	48.489	150	51.90	187	10.759	98	44.50	144	36.132	86	74.25	114	38.592	164	56.75	203
17.4	48.339	185	53.77	167	10.661	122	45.94	110	36.046	109	75.39	84	38.428	205	58.78	180
27.3	48.154	210	55.44	140	10.539	139	47.04	75	35.937	124	76.23	52	38.223	234	60.58	150
Nov. 6.3	47.944	224	56.84	107	10.400	149	47.79	39	35.813	134	76.75	21	37.989	251	62.08	114
16.3	47.720	226	57.91	69	10.251	154	48.18	1	35.679	139	76.96	12	37.738	257	63.22	72
26.3	47.494	220	58.60	27	10.097	152	48.19	37	35.540	137	76.84	43	37.481	252	63.94	27
Dez. 6.2	47.274	204	58.87	15	9.945	145	47.82	73	35.403	130	76.41	73	37.229	236	64.21	19
16.2	47.070	181	58.72	57	9.800	134	47.09	108	35.273	120	75.68	102	36.993	213	64.02	66
26.2	46.889	152	58.15	98	9.666	118	46.01	139	35.153	104	74.66	126	36.780	182	63.36	110
36.2	46.737		57.17		9.548		44.62		35.049		73.40		36.598		62.26	
Mittl. Ort	42.962		69.08		6.561		12.19		31.891		42.62		32.825		73.41	
sec δ, tg δ	1.475		−1.084		1.152		+0.572		1.087		+0.427		1.615		−1.269	

Mittlere Zeit Greenw.	863) ι Cephei AR.		863) ι Cephei Dekl.		864) λ Aquarii AR.		864) λ Aquarii Dekl.		865) ρ Indi AR.		865) ρ Indi Dekl.		866) δ Aquarii AR.		866) δ Aquarii Dekl.	
	$22^h\,46^m$		$+65°\,45'$		$22^h\,48^m$		$-8°\,0'$		$22^h\,48^m$		$-70°\,30'$		$22^h\,50^m$		$-16°\,15'$	
1917	s		"		s		"		s		"		s		"	
Jan. 1.2	42.03	36	70.25	165	17.540	70	76.32	41	54.12	39	74.93	203	15.270	74	46.12	11
11.1	41.67	32	68.60	213	17.470	50	76.73	31	53.73	31	72.90	249	15.196	54	46.23	6
21.1	41.35	26	66.47	253	17.420	28	77.04	19	53.42	23	70.41	287	15.142	31	46.17	25
31.1	41.09	17	63.94	282	17.392	3	77.23	3	53.19	13	67.54	317	15.111	5	45.92	44
Feb. 10.1	40.92	9	61.12	299	17.389	25	77.26	14	53.06	4	64.37	339	15.106	23	45.48	64
20.0	40.83	0	58.13	304	17.414	55	77.12	34	53.02	5	60.98	355	15.129	54	44.84	85
März 2.0	40.83	10	55.09	297	17.469	87	76.78	55	53.07	15	57.43	361	15.183	87	43.99	106
12.0	40.93	20	52.12	276	17.556	121	76.23	78	53.22	25	53.82	359	15.270	121	42.93	127
22.0	41.13	29	49.36	246	17.677	156	75.45	102	53.47	34	50.23	351	15.391	157	41.66	147
31.9	41.42	38	46.90	205	17.833	190	74.43	125	53.81	43	46.72	335	15.548	192	40.19	164
Apr. 10.9	41.80	46	44.85	156	18.023	223	73.18	145	54.24	51	43.37	312	15.740	226	38.55	180
20.9	42.26	52	43.29	103	18.246	253	71.73	165	54.75	59	40.25	283	15.966	256	36.75	193
30.8	42.78	56	42.26	45	18.499	280	70.08	181	55.34	65	37.42	247	16.222	283	34.82	201
Mai 10.8	43.34	60	41.81	15	18.779	299	68.27	192	55.99	69	34.95	207	16.505	305	32.81	204
20.8	43.94	61	41.96	73	19.078	313	66.35	198	56.68	72	32.88	162	16.810	319	30.77	203
30.8	44.55	61	42.69	129	19.391	319	64.37	201	57.40	75	31.26	113	17.129	326	28.74	197
Juni 9.7	45.16	59	43.98	182	19.710	317	62.36	196	58.15	74	30.13	62	17.455	324	26.77	185
19.7	45.75	56	45.80	230	20.027	306	60.40	188	58.89	72	29.51	10	17.779	315	24.92	168
29.7	46.31	50	48.10	271	20.333	289	58.52	175	59.61	68	29.41	43	18.094	297	23.24	148
Juli 9.7	46.81	45	50.81	307	20.622	263	56.77	157	60.29	62	29.84	93	18.391	272	21.76	125
19.6	47.26	37	53.88	334	20.885	232	55.20	136	60.91	54	30.77	141	18.663	240	20.51	98
29.6	47.63	30	57.22	355	21.117	195	53.84	113	61.45	45	32.18	183	18.903	202	19.53	70
Aug. 8.6	47.93	21	60.77	367	21.312	154	52.71	88	61.90	34	34.01	219	19.105	161	18.83	42
18.5	48.14	13	64.44	372	21.466	112	51.83	63	62.24	23	36.20	248	19.266	117	18.41	15
28.5	48.27	4	68.16	370	21.578	69	51.20	39	62.47	10	38.68	266	19.383	73	18.26	11
Sept. 7.5	48.31	4	71.86	359	21.647	28	50.81	15	62.57	1	41.34	276	19.456	29	18.37	34
17.5	48.27	12	75.45	342	21.675	11	50.66	6	62.56	14	44.10	274	19.485	11	18.71	53
27.4	48.15	19	78.87	317	21.664	45	50.72	24	62.42	26	46.84	262	19.474	46	19.24	68
Okt. 7.4	47.96	26	82.04	286	21.619	73	50.96	39	62.16	35	49.46	238	19.428	76	19.92	78
17.4	47.70	32	84.90	247	21.546	94	51.35	50	61.81	43	51.84	204	19.352	100	20.70	84
27.3	47.38	36	87.37	202	21.452	110	51.85	58	61.38	50	53.88	162	19.252	116	21.54	84
Nov. 6.3	47.02	40	89.39	153	21.342	119	52.43	63	60.88	54	55.50	112	19.136	125	22.38	81
16.3	46.62	43	90.92	98	21.223	122	53.06	65	60.34	56	56.62	57	19.011	129	23.19	75
26.3	46.19	44	91.90	41	21.101	118	53.71	63	59.78	57	57.19	1	18.882	125	23.94	65
Dez. 6.2	45.75	44	92.31	19	20.983	111	54.34	61	59.21	53	57.18	59	18.757	118	24.59	52
16.2	45.31	42	92.12	78	20.872	99	54.95	56	58.68	50	56.59	117	18.639	105	25.11	39
26.2	44.89	40	91.34	134	20.773	84	55.51	49	58.18	44	55.42	172	18.534	89	25.50	23
36.2	44.49		90.00		20.689		56.00		57.74		53.70		18.445		25.73	
Mittl. Ort	43.28		49.06		17.121		77.74		54.13		62.83		14.815		45.07	
sec δ, tg δ	2.436		+2.221		1.010		−0.141		2.998		−2.827		1.042		−0.292	

Mittlere Zeit Greenw.	867) α Pisc. austr. AR.		867) Dekl.		869) ο Andromedae AR.		869) Dekl.		870) β Pegasi AR.		870) Dekl.		871) α Pegasi AR.		871) Dekl.	
1917	$22^h 53^m$		−30° 3′		$22^h 58^m$		+41° 52′		$22^h 59^m$		+27° 37′		$23^h 0^m$		+14° 45′	
	s		″		s		″		s		″		s		″	
Jan. 1.2	4.500	92	49.51	42	5.907	153	63.25	154	45.116	108	69.13	135	37.856	87	39.14	110
11.1	4.408	68	49.09	71	5.754	130	61.71	187	45.008	89	67.78	157	37.769	70	38.04	119
21.1	4.340	42	48.38	97	5.624	100	59.84	213	44.919	65	66.21	172	37.699	49	36.85	124
31.1	4.298	13	47.41	123	5.524	64	57.71	231	44.854	37	64.49	180	37.650	24	35.61	123
Feb. 10.1	4.285	$\overline{19}$	46.18	146	5.460	22	55.40	238	44.817	4	62.69	179	37.626	$\overline{5}$	34.38	116
20.0	4.304	53	44.72	168	5.438	$\overline{23}$	53.02	235	44.813	$\overline{32}$	60.90	171	37.631	37	33.22	103
März 2.0	4.357	89	43.04	187	5.461	72	50.67	221	44.845	71	59.19	154	37.668	71	32.19	83
12.0	4.446	126	41.17	203	5.533	124	48.46	198	44.916	113	57.65	129	37.739	108	31.36	57
22.0	4.572	165	39.14	217	5.657	175	46.48	167	45.029	156	56.36	97	37.847	146	30.79	28
31.9	4.737	203	36.97	227	5.832	225	44.81	127	45.185	197	55.39	60	37.993	184	30.51	$\overline{5}$
Apr. 10.9	4.940	240	34.70	232	6.057	271	43.54	82	45.382	236	54.79	20	38.177	220	30.56	40
20.9	5.180	273	32.38	234	6.328	311	42.72	33	45.618	271	54.59	$\overline{23}$	38.397	253	30.96	75
30.8	5.453	302	30.04	229	6.639	344	42.39	$\overline{17}$	45.889	301	54.82	66	38.650	280	31.71	110
Mai 10.8	5.755	326	27.75	219	6.983	368	42.56	68	46.190	323	55.48	107	38.930	302	32.81	142
20.8	6.081	342	25.56	206	7.351	383	43.24	117	46.513	337	56.55	147	39.232	317	34.23	170
30.8	6.423	351	23.50	186	7.734	387	44.41	161	46.850	343	58.02	181	39.549	323	35.93	194
Juni 9.7	6.774	350	21.64	161	8.121	382	46.02	203	47.193	341	59.83	212	39.872	322	37.87	213
19.7	7.124	341	20.03	133	8.503	366	48.05	238	47.534	328	61.95	237	40.194	312	40.00	226
29.7	7.465	324	18.70	102	8.869	341	50.43	267	47.862	308	64.32	254	40.506	293	42.26	233
Juli 9.7	7.789	297	17.68	68	9.210	308	53.10	290	48.170	280	66.86	267	40.799	269	44.59	235
19.6	8.086	263	17.00	33	9.518	269	56.00	306	48.450	246	69.53	273	41.068	238	46.94	231
29.6	8.349	222	16.67	$\overline{1}$	9.787	223	59.06	315	48.696	208	72.26	272	41.306	201	49.25	222
Aug. 8.6	8.571	178	16.68	35	10.010	174	62.21	318	48.904	165	74.98	267	41.507	161	51.47	209
18.5	8.749	129	17.03	64	10.184	124	65.39	313	49.069	120	77.65	256	41.668	120	53.56	192
28.5	8.878	80	17.67	91	10.308	72	68.52	302	49.189	76	80.21	240	41.788	78	55.48	173
Sept. 7.5	8.958	31	18.58	113	10.380	23	71.54	287	49.265	33	82.61	221	41.866	37	57.21	150
17.5	8.989	$\overline{14}$	19.71	128	10.403	$\overline{23}$	74.41	265	49.298	$\overline{7}$	84.82	197	41.903	$\overline{1}$	58.71	126
27.4	8.975	54	20.99	136	10.380	64	77.06	238	49.291	44	86.79	171	41.902	34	59.97	102
Okt. 7.4	8.921	90	22.35	139	10.316	101	79.44	207	49.247	74	88.50	142	41.868	63	60.99	76
17.4	8.831	117	23.74	134	10.215	132	81.51	173	49.173	99	89.92	111	41.805	87	61.75	52
27.4	8.714	136	25.08	123	10.083	156	83.24	133	49.074	119	91.03	79	41.718	103	62.27	26
Nov. 6.3	8.578	149	26.31	107	9.927	174	84.57	91	48.955	132	91.82	44	41.615	115	62.53	2
16.3	8.429	152	27.38	86	9.753	185	85.48	46	48.823	140	92.26	10	41.500	121	62.55	$\overline{23}$
26.3	8.277	150	28.24	61	9.568	190	85.94	1	48.683	142	92.36	$\overline{25}$	41.379	122	62.32	46
Dez. 6.2	8.127	142	28.85	35	9.378	188	85.95	$\overline{45}$	48.541	140	92.11	60	41.257	118	61.86	67
16.2	7.985	127	29.20	6	9.190	181	85.50	90	48.401	132	91.51	92	41.139	111	61.19	86
26.2	7.858	109	29.26	$\overline{23}$	9.009	168	84.60	132	48.269	120	90.59	120	41.028	99	60.33	103
36.2	7.749		29.03		8.841		83.28		48.149		89.39		40.929		59.30	
Mittl. Ort	4.014		44.59		5.937		46.43		44.900		56.22		37.505		30.19	
sec δ, tg δ	1.155		−0.579		1.343		+0.897		1.129		+0.524		1.034		+0.263	

Mittlere Zeit Greenw.	872) ϑ Gruis AR.	Δ	872) ϑ Gruis Dekl.	Δ	873) c² Aquarii AR.	Δ	873) c² Aquarii Dekl.	Δ	874) π Cephei AR.	Δ	874) π Cephei Dekl.	Δ	875) Br. 3077 AR.	Δ	875) Br. 3077 Dekl.	Δ
1917	23ʰ 2ᵐ		−43° 57′		23ʰ 5ᵐ		−21° 36′		23ʰ 5ᵐ		+74° 56′		23ʰ 9ᵐ		+56° 42′	
Jan. 1.2	12ˢ.976	139	76″.90	92	1ˢ.924	89	85″.96	5	13ˢ.10	68	42″.62	131	16ˢ.466	253	56″.28	144
11.2	12.837	110	75.98	130	1.835	69	85.91	28	12.42	60	41.31	186	16.213	222	54.84	189
21.1	12.727	77	74.68	165	1.766	46	85.63	51	11.82	50	39.45	232	15.991	182	52.95	226
31.1	12.650	42	73.03	195	1.720	22	85.12	73	11.32	39	37.13	270	15.809	132	50.69	255
Feb. 10.1	12.608	3	71.08	222	1.698	7	84.39	96	10.93	25	34.43	296	15.677	74	48.14	273
20.0	12.605	38	68.86	244	1.705	38	83.43	118	10.68	10	31.47	310	15.603	8	45.41	279
März 2.0	12.643	81	66.42	262	1.743	72	82.25	140	10.58	6	28.37	311	15.595	61	42.62	274
12.0	12.724	126	63.80	274	1.815	107	80.85	160	10.64	21	25.26	299	15.656	134	39.88	256
22.0	12.850	172	61.06	281	1.922	144	79.25	178	10.85	36	22.27	275	15.790	205	37.32	229
31.9	13.022	217	58.25	283	2.066	182	77.47	193	11.21	51	19.52	241	15.995	274	35.03	191
Apr. 10.9	13.239	260	55.42	280	2.248	217	75.54	206	11.72	64	17.11	197	16.269	338	33.12	147
20.9	13.499	300	52.62	271	2.465	251	73.48	214	12.36	74	15.14	146	16.607	392	31.65	96
30.9	13.799	336	49.91	255	2.716	280	71.34	219	13.10	82	13.68	90	16.999	437	30.69	42
Mai 10.8	14.135	364	47.36	234	2.996	305	69.15	218	13.92	88	12.78	32	17.436	470	30.27	14
20.8	14.499	386	45.02	208	3.301	322	66.97	211	14.80	91	12.46	27	17.906	490	30.41	69
30.8	14.885	397	42.94	176	3.623	331	64.86	200	15.71	92	12.73	86	18.396	497	31.10	122
Juni 9.7	15.282	400	41.18	141	3.954	333	62.86	184	16.63	89	13.59	142	18.893	490	32.32	173
19.7	15.682	392	39.77	102	4.287	327	61.02	163	17.52	85	15.01	194	19.383	470	34.05	218
29.7	16.074	374	38.75	60	4.614	311	59.39	138	18.37	78	16.95	241	19.853	440	36.23	257
Juli 9.7	16.448	345	38.15	18	4.925	287	58.01	109	19.15	69	19.36	282	20.293	398	38.80	291
19.6	16.793	308	37.97	24	5.212	256	56.92	79	19.84	60	22.18	317	20.691	349	41.71	318
29.6	17.101	262	38.21	65	5.468	220	56.13	48	20.44	48	25.35	344	21.040	292	44.89	336
Aug. 8.6	17.363	211	38.86	102	5.688	179	55.65	16	20.92	36	28.79	364	21.332	231	48.25	349
18.6	17.574	154	39.88	135	5.867	134	55.49	14	21.28	24	32.43	377	21.563	166	51.74	354
28.5	17.728	96	41.23	163	6.001	89	55.63	41	21.52	10	36.20	381	21.729	101	55.28	351
Sept. 7.5	17.824	38	42.86	183	6.090	45	56.04	65	21.62	2	40.01	378	21.830	38	58.79	342
17.5	17.862	17	44.69	195	6.135	2	56.69	84	21.60	15	43.79	367	21.868	24	62.21	325
27.4	17.845	69	46.64	198	6.137	36	57.53	99	21.45	27	47.46	349	21.844	80	65.46	303
Okt. 7.4	17.776	113	48.62	193	6.101	68	58.52	107	21.18	37	50.95	322	21.764	132	68.49	274
17.4	17.663	149	50.55	180	6.033	95	59.59	109	20.81	48	54.17	288	21.632	177	71.23	238
27.4	17.514	178	52.35	158	5.938	114	60.68	107	20.33	56	57.05	247	21.455	215	73.61	197
Nov. 6.3	17.336	195	53.93	129	5.824	126	61.75	99	19.77	64	59.52	200	21.240	245	75.58	152
16.3	17.141	203	55.22	95	5.698	133	62.74	87	19.13	69	61.52	146	20.995	268	77.10	101
26.3	16.938	203	56.17	58	5.565	132	63.61	72	18.44	73	62.98	88	20.727	281	78.11	49
Dez. 6.3	16.735	195	56.75	17	5.433	126	64.33	53	17.71	75	63.86	27	20.446	287	78.60	7
16.2	16.540	180	56.92	25	5.307	117	64.86	32	16.96	74	64.13	35	20.159	282	78.53	62
26.2	16.360	158	56.67	65	5.190	102	65.18	10	16.22	71	63.78	96	19.877	269	77.91	114
36.2	16.202		56.02		5.088		65.28		15.51		62.82		19.608		76.77	
Mittl. Ort	12.462		68.61		1.382		83.42		15.22		19.17		16.818		35.50	
sec δ, tg δ	1.389		−0.965		1.076		−0.396		3.848		+3.716		1.822		+1.523	

Mittlere Zeit Greenw.	877) γ Tucanae AR.		877) γ Tucanae Dekl.		879) γ Sculptoris AR.		879) γ Sculptoris Dekl.		880) τ Pegasi AR.		880) τ Pegasi Dekl.	
1917	$23^h\,12^m$		−58° 40′		$23^h\,14^m$		−32° 58′		$23^h\,16^m$		+23° 17′	
Jan. 1.2	36.037	245	98.59	138	21.311	114	69.56	42	31.977	106	20.87	118
11.2	35.792	204	97.21	184	21.197	93	69.14	74	31.871	92	19.69	137
21.1	35.588	158	95.37	225	21.104	68	68.40	104	31.779	71	18.32	149
31.1	35.430	106	93.12	260	21.036	41	67.36	134	31.708	47	16.83	156
Febr. 10.1	35.324	51	90.52	288	20.995	9	66.02	160	31.661	17	15.27	155
20.0	35.273	7	87.64	311	20.986	25	64.42	184	31.644	16	13.72	146
März 2.0	35.280	68	84.53	326	21.011	62	62.58	205	31.660	54	12.26	130
12.0	35.348	130	81.27	334	21.073	101	60.53	223	31.714	93	10.96	107
22.0	35.478	193	77.93	336	21.174	141	58.30	237	31.807	135	9.89	78
31.9	35.671	254	74.57	331	21.315	182	55.93	246	31.942	176	9.11	45
Apr. 10.9	35.925	313	71.26	318	21.497	222	53.47	252	32.118	216	8.66	7
20.9	36.238	367	68.08	300	21.719	259	50.95	252	32.334	253	8.59	33
30.9	36.605	415	65.08	274	21.978	293	48.43	247	32.587	283	8.92	72
Mai 10.8	37.020	456	62.34	244	22.271	320	45.96	236	32.870	308	9.64	110
20.8	37.476	486	59.90	207	22.591	341	43.60	220	33.178	326	10.74	146
30.8	37.962	505	57.83	165	22.932	354	41.40	199	33.504	335	12.20	177
Juni 9.7	38.467	511	56.18	120	23.286	358	39.41	172	33.839	335	13.97	204
19.7	38.978	505	54.98	72	23.644	352	37.69	141	34.174	327	16.01	225
29.7	39.483	484	54.26	23	23.996	338	36.28	107	34.501	310	18.26	242
Juli 9.7	39.967	451	54.03	28	24.334	315	35.21	70	34.811	287	20.68	251
19.6	40.418	405	54.31	76	24.649	284	34.51	33	35.098	255	23.19	254
29.6	40.823	347	55.07	121	24.933	245	34.18	5	35.353	219	25.73	253
Aug. 8.6	41.170	281	56.28	162	25.178	201	34.23	41	35.572	180	28.26	246
18.6	41.451	207	57.90	197	25.379	153	34.64	75	35.752	137	30.72	234
28.5	41.658	129	59.87	225	25.532	104	35.39	105	35.889	95	33.06	218
Sept. 7.5	41.787	49	62.12	243	25.636	54	36.44	128	35.984	53	35.24	198
17.5	41.836	29	64.55	252	25.690	7	37.72	146	36.037	14	37.22	176
27.4	41.807	102	67.07	250	25.697	37	39.18	157	36.051	22	38.98	151
Okt. 7.4	41.705	168	69.57	239	25.660	75	40.75	160	36.029	53	40.49	125
17.4	41.537	224	71.96	217	25.585	107	42.35	156	35.976	79	41.74	96
27.4	41.313	269	74.13	185	25.478	131	43.91	144	35.897	100	42.70	67
Nov. 6.3	41.044	300	75.98	146	25.347	147	45.35	127	35.797	114	43.37	37
16.3	40.744	318	77.44	101	25.200	156	46.62	103	35.683	125	43.74	6
26.3	40.426	324	78.45	51	25.044	158	47.65	76	35.558	129	43.80	24
Dez. 6.3	40.102	316	78.96	1	24.886	154	48.41	46	35.429	130	43.56	53
16.2	39.786	298	78.95	55	24.732	144	48.87	13	35.299	125	43.03	81
26.2	39.488	271	78.40	105	24.588	128	49.00	20	35.174	117	42.22	107
36.2	39.217		77.35		24.460		48.80		35.057		41.15	
Mittl. Ort	35.547		87.50		20.711		63.87		31.599		8.75	
sec δ, tg δ	1.924		−1.644		1.192		−0.649		1.089		+0.430	

Mittlere Zeit Greenw.	882) 4 Cassiopeiae AR.		882) Dekl.		884) ϰ Piscium AR.		884) Dekl.		885) 70 Pegasi AR.		885) Dekl.	
	$23^h\ 21^m$		$+61°\ 49'$		$23^h\ 22^m$		$+0°\ 48'$		$23^h\ 24^m$		$+12°\ 18'$	
1917												
Jan. 1.2	$8.^s22$	32	$59.''29$	127	$41.^s216$	87	$8.''57$	69	$57.^s854$	95	$17.''51$	95
11.2	7.90	30	58.02	177	41.129	74	7.88	66	57.759	82	16.56	103
21.1	7.60	25	56.25	220	41.055	57	7.22	60	57.677	64	15.53	106
31.1	7.35	20	54.05	253	40.998	35	6.62	49	57.613	43	14.47	105
Feb. 10.1	7.15	13	51.52	276	40.963	10	6.13	36	57.570	17	13.42	98
20.1	7.02	5	48.76	288	40.953	18	5.77	19	57.553	13	12.44	85
März 2.0	6.97	3	45.88	287	40.971	50	5.58	2	57.566	46	11.59	67
12.0	7.00	11	43.01	275	41.021	85	5.60	26	57.612	83	10.92	44
22.0	7.11	20	40.26	250	41.106	122	5.86	51	57.695	122	10.48	17
31.9	7.31	29	37.76	217	41.228	159	6.37	78	57.817	161	10.31	14
Apr. 10.9	7.60	35	35.59	174	41.387	196	7.15	105	57.978	199	10.45	46
20.9	7.95	42	33.85	125	41.583	230	8.20	131	58.177	234	10.91	79
30.9	8.37	48	32.60	72	41.813	260	9.51	154	58.411	265	11.70	111
Mai 10.8	8.85	52	31.88	16	42.073	285	11.05	174	58.676	291	12.81	141
20.8	9.37	54	31.72	41	42.358	303	12.79	189	58.967	309	14.22	166
30.8	9.91	56	32.13	96	42.661	315	14.68	201	59.276	320	15.88	189
Juni 9.8	10.47	55	33.09	149	42.976	318	16.69	207	59.596	322	17.77	206
19.7	11.02	53	34.58	197	43.294	312	18.76	207	59.918	317	19.83	217
29.7	11.55	50	36.55	241	43.606	299	20.83	202	60.235	304	22.00	224
Juli 9.7	12.05	45	38.96	278	43.905	279	22.85	193	60.539	282	24.24	224
19.6	12.50	40	41.74	309	44.184	252	24.78	179	60.821	254	26.48	219
29.6	12.90	34	44.83	333	44.436	218	26.57	160	61.075	221	28.67	210
Aug. 8.6	13.24	27	48.16	350	44.654	181	28.17	140	61.296	183	30.77	196
18.6	13.51	20	51.66	359	44.835	142	29.57	117	61.479	144	32.73	180
28.5	13.71	13	55.25	361	44.977	102	30.74	92	61.623	103	34.53	159
Sept. 7.5	13.84	5	58.86	355	45.079	61	31.66	69	61.726	63	36.12	137
17.5	13.89	2	62.41	343	45.140	24	32.35	45	61.789	25	37.49	114
27.5	13.87	8	65.84	324	45.164	11	32.80	23	61.814	9	38.63	91
Okt. 7.4	13.79	15	69.08	297	45.153	41	33.03	3	61.805	40	39.54	66
17.4	13.64	20	72.05	263	45.112	66	33.06	14	61.765	64	40.20	43
27.4	13.44	25	74.68	225	45.046	84	32.92	30	61.701	84	40.63	21
Nov. 6.3	13.19	29	76.93	179	44.962	99	32.62	43	61.617	100	40.84	1
16.3	12.90	32	78.72	129	44.863	107	32.19	54	61.517	109	40.83	23
26.3	12.58	34	80.01	75	44.756	111	31.65	61	61.408	113	40.60	42
Dez. 6.3	12.24	36	80.76	18	44.645	110	31.04	67	61.295	115	40.18	60
16.2	11.88	35	80.94	39	44.535	106	30.37	71	61.180	111	39.58	76
26.2	11.53	35	80.55	96	44.429	97	29.66	72	61.069	105	38.82	90
36.2	11.18		79.59		44.332		28.94		60.964		37.92	
Mittl. Ort	8.65		37.00		40.651		3.74		57.338		8.75	
sec δ, tg δ	2.118		+1.867		1.000		+0.014		1.024		+0.218	

Mittlere Zeit Greenw.	891) ι Andromedae AR.		Dekl.		892) ι Piscium AR.		Dekl.		893) γ Cephei AR.		Dekl.	
1917	23h 34m		+42° 48′		23h 35m		+5° 10′		23h 35m		+77° 10′	
	s		″		s		″		s		″	
Jan. 1.2	3.939	173	48.67	121	41.440	93	40.99	79	54.12	84	33.78	86
11.2	3.766	157	47.46	158	41.347	82	40.20	80	53.28	78	32.92	145
21.2	3.609	134	45.88	188	41.265	67	39.40	77	52.50	69	31.47	198
31.1	3.475	104	44.00	211	41.198	47	38.63	70	51.81	56	29.49	242
Feb. 10.1	3.371	66	41.89	225	41.151	23	37.93	59	51.25	42	27.07	277
20.1	3.305	23	39.64	229	41.128	5	37.34	45	50.83	25	24.30	299
März 2.0	3.282	26	37.35	223	41.133	37	36.89	25	50.58	8	21.31	309
12.0	3.308	79	35.12	207	41.170	72	36.64	2	50.50	11	18.22	306
22.0	3.387	133	33.05	181	41.242	110	36.62	24	50.61	30	15.16	291
32.0	3.520	187	31.24	149	41.352	149	36.86	51	50.91	48	12.25	265
Apr. 10.9	3.707	239	29.75	109	41.501	187	37.37	80	51.39	63	9.60	228
20.9	3.946	285	28.66	64	41.688	222	38.17	108	52.02	78	7.32	183
30.9	4.231	326	28.02	16	41.910	254	39.25	135	52.80	89	5.49	132
Mai 10.9	4.557	358	27.86	32	42.164	282	40.60	158	53.69	98	4.17	76
20.8	4.915	381	28.18	80	42.446	301	42.18	179	54.67	103	3.41	18
30.8	5.296	393	28.98	127	42.747	314	43.97	194	55.70	107	3.23	40
Juni 9.8	5.689	396	30.25	169	43.061	320	45.91	204	56.77	106	3.63	97
19.7	6.085	388	31.94	207	43.381	316	47.95	210	57.83	103	4.60	152
29.7	6.473	369	34.01	239	43.697	304	50.05	209	58.86	97	6.12	202
Juli 9.7	6.842	343	36.40	266	44.001	286	52.14	204	59.83	89	8.14	248
19.7	7.185	308	39.06	287	44.287	260	54.18	193	60.72	79	10.62	287
29.6	7.493	268	41.93	300	44.547	228	56.11	179	61.51	67	13.49	321
Aug. 8.6	7.761	223	44.93	308	44.775	193	57.90	161	62.18	55	16.70	347
18.6	7.984	174	48.01	309	44.968	154	59.51	140	62.73	41	20.17	366
28.5	8.158	124	51.10	303	45.122	115	60.91	118	63.14	26	23.83	378
Sept. 7.5	8.282	76	54.13	292	45.237	75	62.09	94	63.40	12	27.61	382
17.5	8.358	28	57.05	275	45.312	37	63.03	70	63.52	3	31.43	378
27.5	8.386	16	59.80	254	45.349	2	63.73	48	63.49	18	35.21	366
Okt. 7.4	8.370	55	62.34	227	45.351	28	64.21	26	63.31	31	38.87	346
17.4	8.315	91	64.61	196	45.323	53	64.47	6	63.00	44	42.33	318
27.4	8.224	121	66.57	161	45.270	75	64.53	13	62.56	56	45.51	284
Nov. 6.4	8.103	145	68.18	123	45.195	90	64.40	28	62.00	66	48.35	240
16.3	7.958	164	69.41	80	45.105	100	64.12	43	61.34	75	50.75	191
26.3	7.794	178	70.21	36	45.005	107	63.69	55	60.59	81	52.66	136
Dez. 6.3	7.616	185	70.57	8	44.898	110	63.14	65	59.78	86	54.02	75
16.2	7.431	187	70.49	54	44.788	107	62.49	73	58.92	88	54.77	13
26.2	7.244	182	69.95	97	44.681	102	61.76	79	58.04	86	54.90	49
36.2	7.062		68.98		44.579		60.97		57.18		54.41	
Mittl. Ort	3.660		30.21		40.821		34.45		55.78		8.69	
sec δ, tg δ	1.363		+0.926		1.004		+0.091		4.503		+4.391	

Mittlere Zeit Greenw.	894) ω² Aquarii				895) 41 H. Cephei				896) Lac. δ Sculptoris			
	AR.		Dekl.		AR.		Dekl.		AR.		Dekl.	
1917	23ʰ 38ᵐ		−14° 59′		23ʰ 43ᵐ		+67° 20′		23ʰ 44ᵐ		−28° 34′	
Jan. 1.2	25.862	99	74.40	28	55.59	44	68.25	93	37.043	122	86.18	7
11.2	25.763	87	74.68	9	55.15	41	67.32	147	36.921	108	86.11	40
21.2	25.676	70	74.77	11	54.74	37	65.85	196	36.813	90	85.71	71
31.1	25.606	50	74.66	32	54.37	30	63.89	237	36.723	67	85.00	100
Feb. 10.1	25.556	26	74.34	54	54.07	22	61.52	268	36.656	41	84.00	128
20.1	25.530	3	73.80	77	53.85	14	58.84	287	36.615	10	82.72	155
März 2.0	25.533	34	73.03	100	53.71	3	55.97	295	36.605	25	81.17	180
12.0	25.567	69	72.03	122	53.68	8	53.02	290	36.630	62	79.37	201
22.0	25.636	106	70.81	145	53.76	18	50.12	274	36.692	102	77.36	219
32.0	25.742	144	69.36	165	53.94	28	47.38	246	36.794	143	75.17	234
Apr. 10.9	25.886	183	67.71	183	54.22	38	44.92	209	36.937	184	72.83	245
20.9	26.069	220	65.88	198	54.60	46	42.83	164	37.121	224	70.38	251
30.9	26.289	252	63.90	209	55.06	54	41.19	114	37.345	260	67.87	251
Mai 10.9	26.541	280	61.81	216	55.60	60	40.05	59	37.605	292	65.36	247
20.8	26.821	303	59.65	217	56.20	63	39.46	2	37.897	317	62.89	236
30.8	27.124	317	57.48	214	56.83	66	39.44	54	38.214	334	60.53	220
Juni 9.8	27.441	324	55.34	204	57.49	66	39.98	109	38.548	344	58.33	198
19.7	27.765	323	53.30	189	58.15	65	41.07	160	38.892	344	56.35	171
29.7	28.088	312	51.41	171	58.80	61	42.67	208	39.236	335	54.64	141
Juli 9.7	28.400	295	49.70	147	59.41	57	44.75	251	39.571	318	53.23	105
19.7	28.695	269	48.23	120	59.98	52	47.26	288	39.889	293	52.18	69
29.6	28.964	238	47.03	91	60.50	45	50.14	318	40.182	260	51.49	32
Aug. 8.6	29.202	202	46.12	61	60.95	36	53.32	340	40.442	221	51.17	6
18.6	29.404	162	45.51	30	61.31	29	56.72	357	40.663	179	51.23	42
28.5	29.566	119	45.21	1	61.60	20	60.29	365	40.842	133	51.65	75
Sept. 7.5	29.685	78	45.20	26	61.80	12	63.94	367	40.975	86	52.40	104
17.5	29.763	38	45.46	49	61.92	3	67.61	360	41.061	42	53.44	127
27.5	29.801	1	45.95	70	61.95	5	71.21	346	41.103	0	54.71	143
Okt. 7.4	29.802	33	46.65	84	61.90	13	74.67	326	41.103	39	56.14	153
17.4	29.769	60	47.49	93	61.77	21	77.93	297	41.064	72	57.67	156
27.4	29.709	83	48.42	99	61.56	27	80.90	262	40.992	98	59.23	150
Nov. 6.4	29.626	100	49.41	98	61.29	32	83.52	219	40.894	118	60.73	139
16.3	29.526	111	50.39	93	60.97	38	85.71	171	40.776	133	62.12	122
26.3	29.415	117	51.32	84	60.59	42	87.42	118	40.643	140	63.34	99
Dez. 6.3	29.298	118	52.16	72	60.17	44	88.60	61	40.503	143	64.33	72
16.2	29.180	116	52.88	58	59.73	46	89.21	1	40.360	140	65.05	44
26.2	29.064	108	53.46	42	59.27	45	89.22	58	40.220	132	65.49	14
36.2	28.956		53.88		58.82		88.64		40.088		65.63	
Mittl. Ort	25.157		74.15		55.93		44.14		36.279		81.77	
sec δ, tg δ	1.035		−0.268		2.596		+2.396		1.139		−0.545	

Mittlere Zeit Greenw.	898) φ Pegasi AR.		898) φ Pegasi Dekl.		902) ω Piscium AR.		902) ω Piscium Dekl.		903) ε Tucanae AR.		903) ε Tucanae Dekl.	
	$23^h\ 48^m$		+18° 39′		$23^h\ 55^m$		+6° 24′		$23^h\ 55^m$		−66° 1′	
1917	s		″		s		″		s		″	
Jan. 1.2	16.415	110	44.64	96	3.613	101	20.87	76	37.48	40	92.57	112
11.2	16.305	101	43.68	110	3.512	93	20.11	79	37.08	37	91.45	167
21.2	16.204	87	42.58	120	3.419	80	19.32	77	36.71	32	89.78	215
31.1	16.117	67	41.38	125	3.339	63	18.55	72	36.39	26	87.63	258
Feb. 10.1	16.050	43	40.13	124	3.276	42	17.83	63	36.13	19	85.05	295
20.1	16.007	13	38.89	116	3.234	14	17.20	48	35.94	13	82.10	324
März 2.0	15.994	21	37.73	102	3.220	17	16.72	31	35.81	5	78.86	345
12.0	16.015	59	36.71	82	3.237	52	16.41	10	35.76	3	75.41	358
22.0	16.074	100	35.89	57	3.289	91	16.31	16	35.79	12	71.83	365
32.0	16.174	143	35.32	27	3.380	130	16.47	43	35.91	19	68.18	364
Apr. 10.9	16.317	184	35.05	6	3.510	170	16.90	71	36.10	28	64.54	354
20.9	16.501	222	35.11	41	3.680	208	17.61	100	36.38	35	61.00	338
30.9	16.723	258	35.52	76	3.888	242	18.61	127	36.73	42	57.62	313
Mai 10.9	16.981	287	36.28	109	4.130	271	19.88	151	37.15	49	54.49	283
20.8	17.268	310	37.37	141	4.401	295	21.39	172	37.64	54	51.66	246
30.8	17.578	324	38.78	169	4.696	311	23.11	189	38.18	58	49.20	203
Juni 9.8	17.902	330	40.47	192	5.007	319	25.00	202	38.76	60	47.17	156
19.7	18.232	328	42.39	210	5.326	319	27.02	208	39.36	61	45.61	104
29.7	18.560	318	44.49	223	5.645	310	29.10	210	39.97	61	44.57	50
Juli 9.7	18.878	299	46.72	231	5.955	294	31.20	206	40.58	58	44.07	4
19.7	19.177	274	49.03	233	6.249	271	33.26	197	41.16	54	44.11	58
29.6	19.451	242	51.36	228	6.520	242	35.23	183	41.70	48	44.69	111
Aug. 8.6	19.693	207	53.64	221	6.762	208	37.06	167	42.18	41	45.80	159
18.6	19.900	168	55.85	208	6.970	172	38.73	148	42.59	33	47.39	201
28.6	20.068	128	57.93	192	7.142	133	40.21	125	42.92	24	49.40	236
Sept. 7.5	20.196	88	59.85	173	7.275	94	41.46	102	43.16	14	51.76	263
17.5	20.284	50	61.58	151	7.369	57	42.48	78	43.30	5	54.39	280
27.5	20.334	14	63.09	128	7.426	21	43.26	55	43.35	6	57.19	285
Okt. 7.5	20.348	17	64.37	104	7.447	9	43.81	34	43.29	15	60.04	279
17.4	20.331	46	65.41	80	7.438	37	44.15	13	43.14	23	62.83	261
27.4	20.285	69	66.21	54	7.401	60	44.28	6	42.91	30	65.44	234
Nov. 6.4	20.216	87	66.75	29	7.341	77	44.22	22	42.61	37	67.78	195
16.3	20.129	102	67.04	4	7.264	92	44.00	38	42.24	41	69.73	150
26.3	20.027	112	67.08	21	7.172	101	43.62	50	41.83	43	71.23	97
Dez. 6.3	19.915	117	66.87	44	7.071	107	43.12	61	41.40	45	72.20	41
16.3	19.798	119	66.43	67	6.964	109	42.51	70	40.95	44	72.61	18
26.2	19.679	117	65.76	86	6.855	107	41.81	76	40.51	43	72.43	75
36.2	19.562		64.90		6.748		41.05		40.08		71.68	
Mittl. Ort	15.788		33.25		2.883		13.60		36.67		80.20	
sec δ, tg δ	1.055		+0.338		1.006		+0.112		2.462		−2.250	

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1917	43 Hev. Cephei 4ᵐ.3				α Ursae minoris 2ᵐ.0				Gr. 750 6ᵐ.8			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$0^h 57^m$ s	in s 0.01	+85° 49′ ″	in ″ 0.01	$1^h 29^m$ s	in s 0.01	+88° 52′ ″	in ″ 0.01	$4^h 10^m$ s	in s 0.01	+85° 20′ ″	in ″ 0.01
Jan. 0	11.12	− 9	12.34	+ 1	90.22	−30	10.32	+ 2	20.80	− 5	27.20	+ 6
1	10.85	− 7	12.42	− 4	89.23	−24	10.45	− 2	20.69	− 6	27.48	+ 2
2	10.57	− 3	12.49	− 6	88.23	−12	10.59	− 5	20.58	− 5	27.76	− 3
3	10.30	+ 1	12.56	− 6	87.22	+ 3	10.72	− 7	20.47	− 3	28.03	− 6
4	10.02	+ 5	12.63	− 5	86.21	+17	10.84	− 6	20.35	0	28.30	− 8
5	9.74	+ 8	12.68	− 3	85.19	+28	10.95	− 5	20.22	+ 3	28.57	− 8
6	9.46	+ 9	12.72	0	84.16	+33	11.05	− 2	20.09	+ 6	28.84	− 6
7	9.18	+ 9	12.76	+ 3	83.13	+32	11.15	+ 1	19.96	+ 8	29.11	− 3
8	8.90	+ 7	12.79	+ 6	82.09	+26	11.24	+ 4	19.82	+ 8	29.37	0
9	8.61	+ 4	12.82	+ 8	81.05	+16	11.32	+ 7	19.68	+ 7	29.62	+ 3
10	8.33	+ 1	12.84	+ 9	80.01	+ 3	11.39	+ 7	19.54	+ 5	29.87	+ 6
11	8.05	− 3	12.86	+ 7	78.96	−10	11.46	+ 6	19.39	+ 2	30.11	+ 8
12	7.77	− 6	12.88	+ 4	77.91	−22	11.52	+ 5	19.24	− 2	30.35	+ 8
13	7.49	− 9	12.88	0	76.85	−31	11.57	+ 2	19.08	− 6	30.58	+ 7
14	7.20	−10	12.87	− 4	75.79	−35	11.62	− 2	18.92	− 9	30.81	+ 4
15	6.92	− 9	12.86	− 8	74.73	−33	11.65	− 6	18.75	−11	31.03	+ 1
16	6.64	− 7	12.85	−11	73.67	−24	11.69	−10	18.58	−11	31.25	− 3
17	6.36	− 3	12.83	−12	72.60	−12	11.72	−12	18.41	− 9	31.46	− 7
18	6.08	+ 1	12.80	−12	71.54	+ 4	11.75	−13	18.23	− 6	31.67	−10
19	5.80	+ 5	12.76	− 8	70.47	+18	11.77	−10	18.05	− 2	31.88	−10
20	5.52	+ 8	12.71	− 4	69.41	+28	11.78	− 6	17.86	+ 3	32.09	− 9
21	5.24	+ 9	12.67	+ 1	68.34	+32	11.78	0	17.67	+ 6	32.29	− 6
22	4.97	+ 8	12.61	+ 6	67.28	+27	11.78	+ 5	17.48	+ 8	32.48	− 2
23	4.69	+ 4	12.54	+ 9	66.22	+15	11.76	+10	17.29	+ 8	32.66	+ 4
24	4.41	0	12.47	+11	65.16	0	11.74	+11	17.09	+ 6	32.84	+ 8
25	4.14	− 5	12.40	+ 9	64.10	−15	11.71	+10	16.89	+ 3	33.01	+10
26	3.87	− 8	12.31	+ 7	63.04	−26	11.68	+ 7	16.69	− 1	33.18	+10
27	3.60	− 9	12.22	+ 2	61.99	−30	11.64	+ 3	16.48	− 4	33.34	+ 8
28	3.33	− 8	12.13	− 2	60.93	−27	11.60	− 1	16.27	− 6	33.50	+ 4
29	3.06	− 5	12.03	− 5	59.88	−17	11.55	− 5	16.05	− 6	33.66	− 1
30	2.80	− 1	11.92	− 6	58.84	− 2	11.50	− 6	15.84	− 4	33.81	− 5
31	2.54	+ 4	11.81	− 5	57.81	+13	11.44	− 6	15.62	− 1	33.95	− 8
Febr. 1	2.27	+ 7	11.69	− 3	56.78	+25	11.36	− 4	15.40	+ 2	34.09	− 8
2	2.01	+ 9	11.56	0	55.75	+33	11.28	− 1	15.17	+ 5	34.22	− 7
3	1.76	+10	11.43	+ 3	54.73	+34	11.20	+ 2	14.95	+ 8	34.34	− 6
4	1.50	+ 8	11.29	+ 5	53.71	+30	11.11	+ 4	14.72	+ 9	34.45	− 3
5	1.25	+ 6	11.15	+ 7	52.70	+21	11.02	+ 7	14.49	+ 8	34.56	+ 1
6	1.00	+ 2	11.00	+ 8	51.70	+ 9	10.92	+ 9	14.26	+ 6	34.67	+ 5
sec δ, tg δ	13.72		+13.68		88° 52′ 10″ 20		50.683 50.808	+50.673 +50.798	12.31		+12.27	

1917	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$7^h\ 2^m$ s	in s 0.01	$+87°\ 10'$ ″	in ″ 0.01	$9^h\ 25^m$ s	in s 0.01	$+81°\ 41'$ ″	in ″ 0.01	$16^h\ 54^m$ s	in s 0.01	$+82°\ 10'$ ″	in ″ 0.01
Jan. 0	42.51	− 1	53.01	+ 9	32.54	+ 2	24.34	+ 7	14.88	+ 2	19.44	− 5
1	42.65	− 6	53.31	+ 5	32.67	− 1	24.53	+ 7	14.94	+ 2	19.09	− 1
2	42.78	− 9	53.62	+ 2	32.80	− 3	24.72	+ 5	14.99	+ 2	18.75	+ 3
3	42.91	− 9	53.93	− 3	32.93	− 4	24.92	+ 1	15.05	+ 1	18.42	+ 6
4	43.02	− 7	54.24	− 6	33.06	− 4	25.12	− 3	15.11	− 1	18.10	+ 8
5	43.13	− 3	54.55	− 9	33.18	− 3	25.32	− 6	15.18	− 2	17.77	+ 9
6	43.23	+ 1	54.86	−10	33.30	− 2	25.52	− 9	15.25	− 3	17.45	+ 7
7	43.32	+ 6	55.17	− 9	33.42	0	25.73	−10	15.32	− 3	17.13	+ 4
8	43.40	+ 9	55.48	− 6	33.53	+ 2	25.93	− 9	15.40	− 3	16.82	+ 1
9	43.47	+11	55.79	− 3	33.64	+ 3	26.14	− 6	15.48	− 2	16.52	− 2
10	43.53	+11	56.11	+ 1	33.75	+ 4	26.36	− 3	15.56	− 1	16.22	− 5
11	43.58	+ 9	56.42	+ 5	33.86	+ 3	26.58	0	15.64	0	15.92	− 7
12	43.63	+ 5	56.73	+ 8	33.97	+ 3	26.80	+ 4	15.72	0	15.62	− 8
13	43.66	− 1	57.04	+10	34.07	+ 2	27.03	+ 8	15.81	+ 3	15.32	− 7
14	43.68	− 7	57.35	+10	34.17	0	27.26	+10	15.90	+ 4	15.03	− 4
15	43.70	−13	57.66	+ 8	34.27	− 3	27.49	+11	16.00	+ 4	14.74	0
16	43.71	−17	57.97	+ 4	34.37	− 5	27.73	+10	16.09	+ 4	14.46	+ 4
17	43.70	−18	58.28	0	34.46	− 6	27.97	+ 7	16.19	+ 3	14.18	+ 8
18	43.69	−16	58.59	− 4	34.55	− 7	28.21	+ 3	16.29	+ 2	13.91	+10
19	43.67	−12	58.90	− 7	34.64	− 6	28.46	− 1	16.40	0	13.64	+ 9
20	43.64	− 5	59.22	− 9	34.72	− 4	28.72	− 5	16.50	− 2	13.37	+ 8
21	43.60	+ 3	59.53	− 9	34.80	− 1	28.97	− 8	16.61	− 3	13.11	+ 5
22	43.56	+10	59.84	− 6	34.88	+ 2	29.23	− 9	16.72	− 3	12.85	0
23	43.50	+14	60.14	− 1	34.96	+ 5	29.50	− 7	16.83	− 3	12.60	− 5
24	43.44	+15	60.44	+ 3	35.03	+ 6	29.77	− 4	16.95	− 2	12.35	− 9
25	43.36	+13	60.73	+ 7	35.10	+ 6	30.05	+ 1	17.06	0	12.11	−11
26	43.28	+ 8	61.03	+ 9	35.17	+ 5	30.32	+ 4	17.18	+ 1	11.87	−10
27	43.19	+ 2	61.34	+ 9	35.23	+ 3	30.59	+ 6	17.31	+ 2	11.64	− 8
28	43.09	− 4	61.65	+ 7	35.29	0	30.86	+ 7	17.43	+ 2	11.41	− 3
29	42.98	− 8	61.95	+ 3	35.35	− 2	31.14	+ 5	17.56	+ 2	11.19	+ 1
30	42.86	− 9	62.25	− 2	35.41	− 3	31.42	+ 2	17.68	+ 1	10.97	+ 5
31	42.73	− 8	62.55	− 6	35.46	− 4	31.70	− 1	17.81	0	10.76	+ 8
Febr. 1	42.60	− 4	62.84	− 9	35.51	− 4	31.98	− 5	17.94	− 2	10.55	+ 9
2	42.45	0	63.13	−10	35.55	− 2	32.27	− 8	18.08	− 3	10.35	+ 7
3	42.30	+ 5	63.41	−10	35.60	0	32.56	− 9	18.21	− 3	10.16	+ 5
4	42.15	+ 9	63.69	− 7	35.64	+ 1	32.86	− 9	18.35	− 3	9.97	+ 2
5	41.98	+11	63.98	− 4	35.67	+ 3	33.15	− 8	18.49	− 3	9.79	− 1
6	41.80	+12	64.27	0	35.71	+ 4	33.43	− 5	18.63	− 2	9.62	− 5
sec δ, tg δ	20.35		+20.32		6.92		+6.85		7.34		+7.27	

Scheinbare Sternörter 1917

1917	δ Ursae minoris 4ᵐ.3				λ Ursae minoris 6ᵐ.8				76 Draconis 6ᵐ.0			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$17^h 58^m$	in ^{s} 0.01	+86° 36′	in ″ 0.01	$19^h 0^m$	in ^{s} 0.01	+89° 0′	in ″ 0.01	$20^h 48^m$	in ^{s} 0.01	+82° 13′	in ″ 0.01
Jan. 0	32.23	+ 4	45.00	− 7	54.89	− 6	63.74	− 9	29.91	− 3	43.26	− 8
1	32.24	+ 6	44.66	− 3	54.52	+ 8	63.42	− 6	29.81	− 1	43.00	− 7
2	32.24	+ 6	44.33	+ 2	54.18	+19	63.10	− 3	29.71	+ 1	42.74	− 5
3	32.27	+ 4	44.00	+ 6	53.87	+24	62.78	+ 1	29.62	+ 2	42.48	− 3
4	32.30	+ 2	43.67	+ 8	53.58	+23	62.46	+ 6	29.53	+ 3	42.21	+ 3
5	32.34	− 1	43.34	+ 9	53.31 53.07	+15 + 4	62.14 61.82	+ 9 + 9	29.44	+ 3	41.93	+ 6
6	32.39	− 5	43.01	+ 8	52.86	− 8	61.50	+10	29.35	+ 3	41.66	+ 9
7	32.44	− 7	42.69	+ 6	52.67	−18	61.18	+ 8	29.27	+ 2	41.39	+ 9
8	32.50	− 8	42.36	+ 3	52.51	−26	60.86	+ 5	29.18	0	41.11	+ 9
9	32.57	− 7	42.03	− 1	52.37	−29	60.54	+ 1	29.10	− 1	40.83	+ 6
10	32.64	− 6	41.71	− 4	52.26	−27	60.22	− 3	29.03	− 2	40.55	+ 4
11	32.72	− 3	41.38	− 7	52.17	−19	59.90	− 6	28.95	− 3	40.26	− 1
12	32.81	0	41.06	− 8	52.11	− 7	59.57	− 9	28.88	− 3	39.97	− 3
13	32.90	+ 4	40.74	− 9	52.07	+ 7	59.24	−10	28.81	− 3	39.68	− 8
14	33.00	+ 8	40.43	− 7	52.07	+23	58.92	− 9	28.75	− 2	39.38	−11
15	33.11	+11	40.12	− 4	52.08	+36	58.60	− 6	28.69	− 1	39.08	−12
16	33.23	+12	39.81	0	52.12	+44	58.28	− 2	28.63	+ 1	38.78	−10
17	33.35	+11	39.50	+ 5	52.19	+45	57.96	+ 2	28.57	+ 3	38.49	− 8
18	33.48	+ 8	39.19	+ 8	52.29	+38	57.64	+ 6	28.52	+ 4	38.19	− 3
19	33.62	+ 4	38.88	+ 9	52.41	+24	57.33	+ 9	28.47	+ 5	37.88	+ 1
20	33.76	− 1	38.58	+ 9	52.55	+ 4	57.01	+10	28.42	+ 4	37.57	+ 6
21	33.91	− 6	38.28	+ 6	52.72	−15	56.69	+ 8	28.37	+ 3	37.25	+ 9
22	34.07	− 9	37.98	+ 2	52.92	−29	56.37	+ 4	28.33	+ 1	36.93	+ 9
23	34.23	−10	37.69	− 3	53.14	−38	56.06	− 1	28.29	− 2	36.62	+ 6
24	34.40	− 8	37.39	− 7	53.38	−38	55.74	− 5	28.26	− 3	36.30	+ 4
25	34.58	− 5	37.10	− 9	53.65	−29	55.42	− 8	28.23	− 4	35.98	− 1
26	34.76	− 1	36.82	−10	53.94	−15	55.11	− 9	28.20	− 4	35.67	− 4
27	34.95	+ 2	36.55	− 8	54.26	+ 1	54.80	− 8	28.17	− 4	35.35	− 8
28	35.15	+ 5	36.27	− 4	54.61	+14	54.49	− 5	28.15	− 2	35.02	− 9
29	35.35	+ 6	36.00	0	54.98	+21	54.19	− 1	28.13	0	34.70	− 6
30	35.56	+ 5	35.73	+ 4	55.37	+22	53.90	+ 4	28.11	+ 2	34.38	− 4
31	35.77	+ 2	35.46	+ 8	55.79	+17	53.61	+ 7	28.10	+ 3	34.06	+ 2
Febr. 1	35.99	− 1	35.20	+ 9	56.23	+ 7	53.31	+ 9	28.09	+ 3	33.73	+ 7
2	36.21	− 4	34.94	+ 9	56.69	− 5	53.01	+10	28.08 28.07	+ 3 + 2	33.40 33.08	+ 9 + 9
3	36.44	− 6	34.68	+ 7	57.18	−16	52.71	+ 9	28.07	+ 1	32.75	+10
4	36.68	− 8	34.43	+ 4	57.69	−25	52.41	+ 6	28.08	− 1	32.42	+ 8
5	36.92	− 8	34.19	+ 1	58.22	−30	52.12	+ 2	28.08	− 2	32.10	+ 6
6	37.17	− 7	33.96	− 3	58.78	−29	51.84	− 2	28.09	− 3	31.78	+ 2
sec δ, tg δ	16.91		+16.89		89° 0′ 50″ 60	58.106 58.270	+58.097 +58.261		7.39		+7.33	

1917	43 Hev. Cephei 4ᵐ.3				α Ursae minoris 2ᵐ.0				Gr. 750 6ᵐ.8			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$0^h 56^m$	in s 0.01	+85° 49′	in ″ 0.01	$1^h 29^m$	in s 0.01	+88° 52′	in ″ 0.01	$4^h 10^m$	in s 0.01	+85° 20′	in ″ 0.01
Febr. 6	61.00	+ 2	11.00	+ 8	51.70	+ 9	10.92	+ 9	14.26	+ 6	34.67	+ 5
7	60.76	− 2	10.85	+ 8	50.71	− 5	10.81	+ 9	14.02	+ 3	34.78	+ 8
8	60.51	− 5	10.69	+ 6	49.72	−17	10.70	+ 7	13.79	0	34.88	+ 8
9	60.27	− 8	10.53	+ 2	48.74	−28	10.58	+ 3	13.55	− 4	34.97	+ 7
10	60.04	− 9	10.36	− 2	47.77	−34	10.45	− 1	13.31	− 7	35.05	+ 6
11	59.80	− 9	10.18	− 6	46.81	−34	10.32	− 6	13.07	−10	35.12	+ 3
12	59.57	− 8	10.00	−10	45.86	−28	10.18	− 9	12.82	−11	35.19	− 2
13	59.34	− 5	9.82	−11	44.92	−17	10.03	−12	12.58	−10	35.25	− 6
14	59.12	0	9.63	−12	43.99	− 3	9.88	−13	12.34	− 8	35.30	−10
15	58.90	+ 4	9.43	−10	43.07	+13	9.73	−11	12.09	− 4	35.35	−11
16	58.68	+ 7	9.23	− 7	42.16	+24	9.57	− 8	11.84	0	35.39	−10
17	58.47	+ 9	9.03	− 2	41.26	+30	9.40	− 3	11.60	+ 4	35.44	− 8
18	58.26	+ 8	8.82	+ 4	40.38	+29	9.23	+ 3	11.35	+ 7	35.48	− 3
19	58.05	+ 5	8.60	+ 8	39.51	+19	9.05	+ 7	11.10	+ 8	35.51	+ 2
20	57.85	+ 1	8.38	+ 9	38.65	+ 5	8.87	+10	10.85	+ 7	35.54	+ 7
21	57.65	− 3	8.15	+ 9	37.80	−11	8.68	+11	10.60	+ 4	35.56	+10
22	57.46	− 7	7.91	+ 7	36.96	−24	8.48	+ 8	10.34	0	35.57	+11
23	57.27	− 9	7.67	+ 3	36.14	−31	8.28	+ 5	10.09	− 3	35.56	+10
24	57.09	− 9	7.43	− 1	35.33	−30	8.08	0	9.84	− 5	35.55	+ 5
25	56.91	− 6	7.19	− 4	34.54	−22	7.87	− 3	9.59	− 6	35.54	0
26	56.73	− 2	6.95	− 5	33.76	− 8	7.66	− 7	9.34	− 5	35.53	− 4
27	56.56	+ 2	6.71	− 6	32.99	+ 7	7.45	− 7	9.09	− 2	35.52	− 7
28	56.39	+ 6	6.46	− 4	32.24	+21	7.23	− 5	8.84	+ 1	35.49	− 8
März 1	56.23	+ 9	6.20	− 1	31.51	+31	6.99	− 3	8.59	+ 5	35.46	− 7
2	56.07	+10	5.93	+ 2	30.79	+35	6.75	+ 1	8.34	+ 7	35.42	− 6
3	55.92	+ 9	5.66	+ 4	30.09	+33	6.51	+ 4	8.09	+ 9	35.37	− 3
4	55.77	+ 7	5.39	+ 7	29.41	+25	6.27	+ 7	7.84	+ 9	35.32	+ 1
5	55.63	+ 4	5.12	+ 8	28.74	+14	6.03	+ 8	7.59	+ 8	35.26	+ 4
6	55.49	0	4.85	+ 9	28.08	+ 1	5.79	+ 8	7.34	+ 5	35.19	+ 7
7	55.35	− 4	4.58	+ 7	27.45	−12	5.54	+ 7	7.10	+ 2	35.12	+ 8
8	55.22	− 7	4.30	+ 4	26.83	−24	5.28	+ 4	6.85	− 2	35.05	+ 8
9	55.10	− 9	4.02	+ 1	26.23	−31	5.02	+ 1	6.61	− 5	34.97	+ 7
10	54.98	− 9	3.73	− 3	25.64	−34	4.76	− 2	6.37	− 8	34.88	+ 4
11	54.87	− 8	3.44	− 8	25.08	−30	4.50	− 7	6.13	−10	34.78	0
12	54.76	− 6	3.15	−10	24.54	−21	4.24	−11	5.89	−10	34.67	− 4
13	54.66	− 2	2.85	−11	24.01	− 8	3.97	−12	5.65	− 9	34.57	− 8
14	54.57	+ 2	2.56	−11	23.50	+ 7	3.69	−12	5.42	− 5	34.46	−11
15	54.48	+ 6	2.26	− 8	23.01	+20	3.41	−10	5.18	− 1	34.34	−11
sec δ, tg δ	13.71		+13.68		88° 52′ 0″		50.558	+50.548	12.32		+12.28	
					10		50.683	+50.673				

1917	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$7^h\,2^m$	in $0^s.01$	$+87°\,11'$	in $0''.01$	$9^h\,25^m$	in $0^s.01$	$+81°\,41'$	in $0''.01$	$16^h\,54^m$	in $0^s.01$	$+82°\,10'$	in $0''.01$
Febr. 6	$41^s.80$	+12	$4''.27$	0	$35^s.71$	+ 4	$33''.43$	− 5	$18^s.63$	− 2	$9''.62$	− 5
7	41.62	+10	4.55	+ 3	35.74	+ 4	33.72	− 1	18.77	− 1	9.44	− 8
8	41.43	+ 7	4.83	+ 7	35.77	+ 4	34.02	+ 3	18.91	+ 1	9.27	− 9
9	41.23	+ 2	5.10	+ 9	35.79	+ 3	34.31	+ 7	19.06	+ 2	9.11	− 8
10	41.02	− 4	5.37	+ 9	35.81	+ 1	34.61	+ 9	19.20	+ 3	8.95	− 6
11	40.80	−10	5.63	+ 8	35.83	− 2	34.91	+11	19.35	+ 4	8.81	− 3
12	40.58	−15	5.88	+ 6	35.84	− 4	35.22	+10	19.50	+ 4	8.67	+ 1
13	40.35	−18	6.14	+ 2	35.85	− 6	35.52	+ 8	19.65	+ 3	8.53	+ 5
14	40.11	−17	6.39	− 2	35.86	− 7	35.82	+ 4	19.80	+ 2	8.40	+ 8
15	39.87	−14	6.64	− 6	35.87	− 6	36.12	0	19.95	+ 1	8.28	+10
16	39.61	− 8	6.88	− 8	35.87	− 5	36.42	− 4	20.10	− 1	8.16	+10
17	39.35	− 1	7.12	− 9	35.87	− 2	36.71	− 6	20.26	− 2	8.05	+ 8
18	39.08	+ 6	7.36	− 7	35.87	+ 1	37.00	− 8	20.41	− 3	7.94	+ 4
19	38.81	+12	7.60	− 4	35.86	+ 3	37.30	− 7	20.57	− 3	7.84	− 2
20	38.53	+14	7.83	+ 1	35.85	+ 5	37.60	− 4	20.72	− 2	7.75	− 7
21	38.24	+13	8.05	+ 6	35.84	+ 6	37.90	0	20.88	− 1	7.67	−10
22	37.95	+ 9	8.27	+ 9	35.83	+ 5	38.20	+ 3	21.04	+ 1	7.59	−10
23	37.65	+ 4	8.49	+ 9	35.81	+ 3	38.50	+ 6	21.19	+ 2	7.52	− 8
24	37.34	− 2	8.70	+ 8	35.79	+ 1	38.80	+ 7	21.35	+ 2	7.45	− 5
25	37.03	− 7	8.91	+ 5	35.76	− 1	39.09	+ 6	21.51	+ 2	7.39	0
26	36.72	− 9	9.11	+ 1	35.73	− 3	39.38	+ 3	21.67	+ 1	7.34	+ 5
27	36.39	− 8	9.31	− 4	35.70	− 4	39.67	− 1	21.83	0	7.29	+ 7
28	36.06	− 5	9.50	− 8	35.67	− 4	39.96	− 4	21.99	− 1	7.25	+ 8
März 1	35.73	− 1	9.69	−10	35.63	− 3	40.25	− 8	22.15	− 2	7.22	+ 8
2	35.39	+ 4	9.86	− 9	35.59	− 1	40.54	− 9	22.31	− 3	7.20	+ 6
3	35.05	+ 8	10.03	− 8	35.55	+ 1	40.83	−10	22.48	− 3	7.18	+ 3
4	34.70	+11	10.20	− 5	35.51	+ 3	41.12	− 9	22.64	− 3	7.17	0
5	34.34	+13	10.37	− 2	35.46	+ 4	41.40	− 6	22.80	− 2	7.16	− 4
6	33.99	+12	10.54	+ 1	35.41	+ 5	41.68	− 2	22.96	− 1	7.16	− 6
7	33.62	+ 9	10.70	+ 5	35.36	+ 4	41.95	+ 2	23.12	0	7.17	− 8
8	33.25	+ 5	10.85	+ 8	35.30	+ 3	42.23	+ 5	23.28	+ 1	7.18	− 8
9	32.88	− 1	11.00	+ 9	35.24	+ 2	42.50	+ 8	23.44	+ 2	7.20	− 7
10	32.51	− 7	11.14	+ 9	35.18	0	42.77	+10	23.60	+ 3	7.23	− 4
11	32.13	−12	11.28	+ 8	35.12	− 3	43.05	+10	23.75	+ 4	7.26	0
12	31.74	−16	11.42	+ 4	35.05	− 5	43.32	+ 9	23.91	+ 3	7.30	+ 4
13	31.36	−17	11.54	0	34.98	− 6	43.59	+ 5	24.07	+ 2	7.35	+ 8
14	30.97	−15	11.65	− 5	34.91	− 6	43.85	+ 1	24.23	+ 1	7.41	+10
15	30.58	−11	11.76	− 8	34.83	− 5	44.11	− 3	24.39	0	7.47	+10
sec δ, tg δ	20.37		+20.34		6.92		+6.85		7.34		+7.27	

1917	δ Ursae minoris 4ᵐ.3				λ Ursae minoris 6ᵐ.8				76 Draconis 6ᵐ.0			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	17ʰ 58ᵐ	in ˢ 0.01	+86° 36′	in ″ 0.01	19ʰ 0ᵐ	in ˢ 0.01	+89° 0′	in ″ 0.01	20ʰ 48ᵐ	in ˢ 0.01	+82° 13′	in ″ 0.01
Febr. 6	37.17	− 7	33.96	− 3	58.78	−29	51.84	− 2	28.09	− 3	31.78	+ 2
7	37.42	− 5	33.73	− 6	59.35	−24	51.57	− 5	28.10	− 3	31.46	− 2
8	37.68	− 1	33.50	− 8	59.95	−14	51.29	− 8	28.12	− 3	31.14	− 6
9	37.94	+ 3	33.27	− 9	60.57	0	51.02	− 9	28.14	− 3	30.81	− 9
10	38.21	+ 6	33.06	− 8	61.22	+16	50.75	− 9	28.16	− 1	30.48	−10
11	38.48	+ 9	32.84	− 5	61.88	+30	50.48	− 7	28.18	+ 1	30.15	−10
12	38.76	+11	32.63	− 2	62.57	+41	50.21	− 4	28.21	+ 2	29.83	− 8
13	39.04	+11	32.43	+ 2	63.27	+45	49.95	0	28.24	+ 4	29.51	− 5
14	39.33	+ 9	32.24	+ 7	64.00	+42	49.70	+ 5	28.27	+ 4	29.20	− 1
15	39.62	+ 6	32.04	+ 9	64.74	+31	49.44	+ 8	28.31	+ 4	28.88	+ 4
16	39.91	+ 1	31.85	+10	65.51	+14	49.19	+ 9	28.35	+ 3	28.57	+ 7
17	40.21	− 4	31.67	+ 8	66.29	− 5	48.95	+ 8	28.39	+ 2	28.25	+ 8
18	40.51	− 7	31.49	+ 4	67.10	−22	48.72	+ 5	28.43	0	27.94	+ 8
19	40.82	− 9	31.31	− 1	67.92	−33	48.49	+ 1	28.48	− 2	27.63	+ 5
20	41.13	− 8	31.14	− 5	68.76	−36	48.26	− 4	28.53	− 4	27.32	+ 1
21	41.45	− 6	30.98	− 9	69.62	−30	48.03	− 7	28.59	− 4	27.01	− 3
22	41.76	− 2	30.83	−10	70.50	−18	47.80	− 9	28.64	− 4	26.71	− 7
23	42.08	+ 2	30.68	− 9	71.39	− 4	47.58	− 9	28.70	− 3	26.41	− 8
24	42.41	+ 4	30.54	− 6	72.30	+10	47.37	− 7	28.77	− 1	26.12	− 7
25	42.74	+ 6	30.40	− 1	73.23	+20	47.16	− 3	28.83	+ 1	25.83	− 5
26	43.07	+ 5	30.27	+ 3	74.17	+23	46.95	+ 2	28.90	+ 2	25.54	− 1
27	43.40	+ 3	30.14	+ 7	75.13	+19	46.74	+ 6	28.97	+ 3	25.25	+ 4
28	43.74	0	30.02	+ 9	76.11	+10	46.55	+ 9	29.05	+ 3	24.97	+ 7
März 1	44.08	− 3	29.91	+10	77.10	− 2	46.37	+10	29.13	+ 2	24.68	+10
2	44.42	− 6	29.80	+ 8	78.10	−14	46.19	+ 9	29.21	+ 1	24.40	+11
3	44.76	− 8	29.70	+ 5	79.11	−24	46.01	+ 7	29.29	0	24.12	+ 9
4	45.11	− 9	29.62	+ 2	80.14	−30	45.84	+ 3	29.37	− 1	23.85	+ 7
5	45.45	− 8	29.54	− 2	81.18	−31	45.68	0	29.46	− 2	23.58	+ 4
6	45.80	− 6	29.45	− 6	82.24	−28	45.52	− 3	29.55	− 3	23.31	0
7	46.16	− 3	29.37	− 8	83.30	−19	45.37	− 7	29.64	− 3	23.05	− 5
8	46.51	+ 1	29.30	− 9	84.38	− 7	45.22	− 9	29.74	− 3	22.80	− 8
9	46.86	+ 4	29.24	− 8	85.47	+ 8	45.08	−10	29.84	− 2	22.55	− 9
10	47.22	+ 8	29.18	− 6	86.57	+23	44.94	− 8	29.94	0	22.29	−10
11	47.57	+10	29.13	− 3	87.69	+35	44.81	− 6	30.04	+ 1	22.04	− 9
12	47.93	+11	29.08	+ 1	88.81	+42	44.68	− 2	30.15	+ 3	21.80	− 6
13	48.29	+10	29.04	+ 5	89.94	+42	44.56	+ 2	30.25	+ 4	21.56	− 2
14	48.65	+ 7	29.01	+ 9	91.08	+35	44.45	+ 7	30.36	+ 4	21.33	+ 3
15	49.01	+ 3	28.99	+10	92.23	+21	44.35	+ 9	30.48	+ 4	21.10	+ 6
sec δ, tg δ	16.90		+16.87		89° 0′ 40″ 50	57.942 58.106	+57.934 +58.097		7.39		+7.32	

Scheinbare Sternörter 1917

1917	43 Hev. Cephei 4ᵐ.3				α Ursae minoris 2ᵐ.0				Gr. 750 6ᵐ.8			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$0^h 56^m$ s	in s 0.01	+85° 48′ ″	in ″ 0.01	$1^h 29^m$ s	in s 0.01	+88° 51′ ″	in ″ 0.01	$4^h 9^m$ s	in s 0.01	+85° 20′ ″	in ″ 0.01
März 15	54.48	+ 6	62.26	− 8	23.01	+20	63.41	−10	65.18	− 1	34.34	−11
16	54.39	+ 8	61.97	− 4	22.54	+29	63.12	− 6	64.95	+ 3	34.21	− 9
17	54.31	+ 8	61.67	0	22.09	+30	62.84	0	64.72	+ 6	34.07	− 5
18	54.23	+ 6	61.37	+ 5	21.65	+23	62.56	+ 5	64.49	+ 7	33.94	− 1
19	54.16	+ 3	61.08	+ 9	21.23	+11	62.27	+ 9	64.27	+ 7	33.80	+ 4
20	54.10	− 2	60.78	+10	20.84	− 5	61.98	+11	64.05	+ 4	33.66	+ 8
21	54.04	− 6	60.47	+ 8	20.47	−20	61.69	+10	63.83	+ 1	33.51	+11
22	53.99	− 8	60.16	+ 5	20.11	−30	61.39	+ 6	63.61	− 3	33.35	+10
23	53.94	− 9	59.85	0	19.78	−32	61.09	+ 2	63.39	− 6	33.17	+ 6
24	53.90	− 7	59.54	− 4	19.46	−27	60.79	− 3	63.18	− 7	32.99	+ 3
25	53.86	− 4	59.23	− 6	19.17	−15	60.48	− 6	62.97	− 6	32.82	− 2
26	53.83	0	58.92	− 7	18.89	+ 1	60.18	− 8	62.77	− 4	32.64	− 5
27	53.81	+ 4	58.61	− 5	18.64	+16	59.87	− 6	62.56	0	32.46	− 8
28	53.79	+ 8	58.30	− 2	18.41	+28	59.58	− 4	62.36	+ 3	32.28	− 8
29	53.78	+10	57.99	+ 1	18.20	+34	59.27	− 1	62.16	+ 7	32.09	− 7
30	53.77	+10	57.68	+ 4	18.00	+34	58.96	+ 3	61.97	+ 9	31.90	− 4
31	53.77	+ 8	57.37	+ 7	17.83	+29	58.66	+ 7	61.78	+ 9	31.70	0
April 1	53.77	+ 5	57.05	+ 8	17.68	+19	58.36	+ 9	61.59	+ 8	31.49	+ 3
2	53.78	+ 2	56.74	+ 8	17.55	+ 6	58.04	+ 8	61.41	+ 6	31.28	+ 6
3	53.80	− 2	56.42	+ 8	17.44	− 7	57.73	+ 8	61.23	+ 3	31.06	+ 8
4	53.82	− 6	56.11	+ 6	17.36	−19	57.42	+ 7	61.05	0	30.85	+ 8
5	53.85	− 8	55.80	+ 2	17.29	−28	57.10	+ 3	60.88	− 4	30.63	+ 7
6	{53.88 53.92	− 9 − 9	55.49 55.19	− 2 − 5	17.24	−33	56.79	− 1	60.71	− 7	30.41	+ 5
7	53.96	− 7	54.88	− 8	17.22	−32	56.48	− 6	60.54	− 9	30.19	+ 2
8	54.01	− 3	54.58	−10	17.21	−25	56.16	− 8	60.38	−10	29.96	− 3
9	54.06	+ 1	54.27	−11	17.23	−13	55.85	−10	60.22	− 9	29.73	− 7
10	54.12	+ 5	53.97	− 9	17.27	+ 2	55.54	−11	60.07	− 6	29.49	− 9
11	54.19	+ 8	53.67	− 5	17.32	+17	55.22	−10	59.92	− 2	29.24	−10
12	54.26	+ 9	53.37	− 1	17.40	+27	54.91	− 6	59.78	+ 2	28.99	−10
13	54.34	+ 8	53.07	+ 4	17.50	+31	54.59	− 1	59.64	+ 5	28.74	− 7
14	54.42	+ 5	52.77	+ 7	{17.62 17.76	+28 +17	54.28 53.98	+ 4 + 7	59.50	+ 7	28.48	− 3
15	54.51	+ 1	52.48	+ 8	17.92	+ 2	53.68	+10	59.37	+ 7	28.22	+ 3
16	54.60	− 4	52.19	+ 8	18.10	−14	53.37	+10	59.24	+ 6	27.96	+ 7
17	54.70	− 8	51.90	+ 6	18.30	−27	53.06	+ 7	59.12	+ 2	27.70	+10
18	54.80	−10	51.61	+ 2	18.52	−33	52.76	+ 3	59.00	− 2	27.44	+11
19	54.91	− 9	51.33	− 3	18.76	−31	52.45	− 2	58.88	− 5	27.17	+ 9
20	55.03	− 6	51.04	− 6	19.03	−23	52.15	− 5	58.77	− 7	26.90	+ 4
21	55.15	− 2	50.76	− 7	19.31	− 7	51.85	− 6	58.66	− 7	26.62	− 1
sec δ, tg δ	13.70		+13.67		88° 51′ 50″ 60		50.435 50.558	+50.425 +50.548	12.31		+12.27	

1917	51 Hev. Cephei 5m.2				1 Hev. Draconis 4m.3				ε Ursae minoris 4m.2			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$7^h\ 2^m$	in s 0.01	+87° 11'	in " 0.01	$9^h\ 25^m$	in s 0.01	+81° 41'	in " 0.01	$16^h\ 54^m$	in s 0.01	+82° 10'	in " 0.01
März 15	30.58	−11	11.76	−8	34.83	−5	44.11	−3	24.39	0	7.47	+10
16	30.18	−4	11.87	−9	34.76	−3	44.37	−6	24.54	−2	7.54	+8
17	29.78	+3	11.97	−8	34.68	−1	44.62	−8	24.70	−2	7.61	+4
18	29.38	+9	12.06	−5	34.60	+2	44.86	−9	24.85	−3	7.69	−1
19	28.98	+13	12.14	−1	34.51	+4	45.11	−6	25.01	−2	7.77	−5
20	28.57	+13	12.22	+4	34.43	+5	45.35	−3	25.16	−1	7.86	−9
21	28.16	+10	12.30	+8	34.34	+5	45.58	+2	25.31	0	7.96	−10
22	27.75	+5	12.37	+10	34.25	+4	45.81	+6	25.46	+2	8.06	−9
23	27.34	−1	12.44	+9	34.16	+2	46.04	+8	25.61	+2	8.17	−6
24	26.92	−6	12.50	+7	34.06	−1	46.27	+7	25.76	+2	8.29	−1
25	26.51	−9	12.55	+3	33.97	−3	46.50	+5	25.91	+2	8.42	+3
26	26.09	−9	12.59	−3	33.87	−4	46.72	+1	26.06	+1	8.56	+6
27	25.67	−7	12.62	−7	33.77	−4	46.93	−3	26.20	−1	8.69	+8
28	25.26	−3	12.65	−9	33.67	−3	47.13	−7	26.35	−2	8.83	+9
29	24.84	+2	12.69	−10	33.56	−2	47.33	−9	26.49	−3	8.97	+7
30	24.42	+7	12.72	−10	33.46	0	47.53	−10	26.63	−3	9.12	+4
31	24.00	+11	12.74	−7	33.35	+2	47.72	−9	26.77	−3	9.28	+1
April 1	23.57	+13	12.75	−3	33.24	+4	47.91	−7	26.91	−3	9.45	−3
2	23.15	+13	12.75	+1	33.13	+5	48.10	−5	27.05	−2	9.62	−5
3	22.73	+11	12.74	+5	33.02	+5	48.29	−1	27.18	−1	9.79	−7
4	22.31	+7	12.73	+8	32.90	+4	48.47	+4	27.32	+1	9.97	−9
5	21.89	+2	12.72	+9	32.79	+3	48.64	+8	27.45	+2	10.15	−8
6	21.47	−4	12.70	+9	32.67	+1	48.80	+9	27.58	+3	10.34	−5
7	21.06	−10	12.67	+8	32.55	−2	48.96	+10	27.71	+3	10.54	−1
8	20.64	−14	12.64	+5	32.43	−4	49.12	+9	27.83	+4	10.74	+3
9	20.22	−16	12.60	0	32.31	−5	49.27	+6	27.96	+3	10.94	+6
10	19.81	−15	12.55	−4	32.19	−6	49.42	+3	28.08	+2	11.15	+9
11	19.40	−12	12.50	−8	32.07	−6	49.56	−1	28.20	0	11.37	+10
12	18.98	−6	12.44	−9	31.94	−4	49.70	−6	28.32	−1	11.59	+9
13	18.57	+1	12.38	−9	31.81	−2	49.83	−8	28.44	−2	11.82	+5
14	18.16	+7	12.31	−7	31.69	+1	49.95	−7	28.55	−3	12.05	+1
15	17.76	+12	12.23	−2	31.56	+4	50.07	−6	28.66	−2	12.28	−4
16	17.36	+13	12.14	+3	31.43	+5	50.18	−4	28.77	−1	12.51	−7
17	16.96	+11	12.05	+7	31.30	+5	50.29	+1	28.88	0	12.75	−10
18	16.56	+7	11.96	+10	31.17	+4	50.40	+4	28.98	+1	13.00	−10
19	16.16	+1	11.87	+11	31.04	+2	50.50	+7	29.09	+2	13.25	−8
20	15.77	−5	11.77	+9	30.91	0	50.60	+8	29.19	+3	13.51	−4
21	15.38	−9	11.65	+4	30.77	−2	50.69	+7	29.29	+2	13.77	0
sec δ, tg δ	20.37		+20.35		6.92		+6.85		7.34		+7.27	

Scheinbare Sternörter 1917

1917	δ Ursae minoris $4^m.3$				λ Ursae minoris $6^m.8$				76 Draconis $6^m.0$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$17^h 58^m$ s	in s 0.01	+86° 36′ ″	in ″ 0.01	$19^h 1^m$ s	in s 0.01	+89° 0′ ″	in ″ 0.01	$20^h 48^m$ s	in s 0.01	+82° 13′ ″	in ″ 0.01
März 15	49.01	+ 3	28.99	+10	32.23	+21	44.35	+ 9	30.48	+ 4	21.10	+ 6
16	49.37	− 2	28.98	+ 8	33.38	+ 3	44.24	+ 9	30.59	+ 2	20.88	+ 7
17	49.73	− 5	28.96	+ 5	34.54	−14	44.14	+ 7	30.71	0	20.66	+ 8
18	50.09	− 7	28.95	+ 1	35.72	−27	44.05	+ 3	30.83	− 2	20.44	+ 6
19	50.45	− 8	28.94	− 3	36.90	−33	43.96	− 1	30.95	− 3	20.23	+ 3
20	50.81	− 6	28.94	− 7	38.08	−31	43.88	− 6	31.07	− 4	20.03	− 2
21	51.17	− 3	28.96	−10	39.27	−21	43.81	− 9	31.20	− 4	19.83	− 6
22	51.53	+ 1	28.98	− 9	40.46	− 7	43.75	−10	31.32	− 3	19.63	− 8
23	51.89	+ 4	29.00	− 7	41.66	+ 8	43.69	− 8	31.45	− 1	19.44	− 8
24	52.25	+ 6	29.04	− 3	42.87	+19	43.64	− 5	31.58	0	19.26	− 6
25	52.60	+ 6	29.08	+ 1	44.08	+24	43.59	− 1	31.72	+ 2	19.07	− 3
26	52.96	+ 4	29.12	+ 6	45.29	+22	43.54	+ 4	31.85	+ 3	18.89	+ 1
27	53.32	+ 2	29.17	+ 8	46.50	+14	43.50	+ 7	31.99	+ 3	18.72	+ 5
28	53.67	− 2	29.23	+ 9	47.71	+ 3	43.47	+ 9	32.13	+ 3	18.56	+ 9
29	54.03	− 5	29.29	+ 9	48.93	−10	43.45	+10	32.26	+ 2	18.41	+10
30	54.38	− 7	29.36	+ 6	50.15	−21	43.43	+ 8	32.40	0	18.26	+10
31	54.73	− 8	29.44	+ 3	51.37	−29	43.42	+ 5	32.55	− 1	18.12	+ 8
April 1	55.07	− 8	29.52	− 1	52.59	−32	43.41	+ 1	32.69	− 2	17.98	+ 5
2	55.42	− 7	29.61	− 5	53.81	−30	43.42	− 3	32.83	− 3	17.85	+ 1
3	55.77	− 4	29.70	− 7	55.03	−24	43.44	− 6	32.98	− 3	17.73	− 3
4	56.11	− 1	29.80	− 8	56.25	−13	43.46	− 8	33.13	− 3	17.61	− 6
5	56.45	+ 3	29.90	− 9	57.46	+ 1	43.49	−10	33.28	− 2	17.49	− 9
6	56.78	+ 6	30.01	− 7	58.68	+16	43.51	− 9	33.43	− 1	17.38	−10
7	57.12	+ 9	30.13	− 4	59.89	+29	43.54	− 6	33.58	+ 1	17.28	− 9
8	57.45	+10	30.25	0	61.10	+38	43.58	− 3	33.73	+ 2	17.18	− 7
9	57.78	+10	30.38	+ 4	62.30	+41	43.63	+ 1	33.88	+ 3	17.08	− 4
10	58.11	+ 8	30.52	+ 7	63.50	+36	43.68	+ 5	34.04	+ 4	17.00	+ 1
11	58.43	+ 4	30.66	+ 9	64.70	+24	43.73	+ 8	34.19	+ 4	16.92	+ 5
12	58.75	0	30.81	+10	65.90	+ 8	43.80	+ 9	34.35	+ 3	16.85	+ 8
13	59.07	− 4	30.96	+ 7	67.09	− 9	43.88	+ 8	34.50	+ 1	16.79	+ 9
14	59.39	− 7	31.12	+ 3	68.27	−24	43.95	+ 5	34.66	− 1	16.73	+ 7
15	59.70	− 8	31.28	− 2	69.45	−32	44.03	0	34.82	− 3	16.67	+ 4
16	60.01	− 7	31.45	− 7	70.62	−32	44.12	− 4	34.98	− 4	16.62	− 1
17	60.31	− 4	31.62	− 9	71.78	−24	44.22	− 8	35.14	− 4	16.58	− 5
18	60.61	0	31.80	−10	72.94	−11	44.31	−10	35.30	− 3	16.54	− 8
19	60.91	+ 3	31.98	− 8	74.09	+ 4	44.41	−10	35.46	− 2	16.51	− 9
20	61.20	+ 6	32.17	− 5	75.23	+17	44.52	− 7	35.62	0	16.49	− 7
21	61.49	+ 7	32.37	0	76.36	+25	44.64	− 3	35.78	+ 1	16.48	− 5
sec δ, tg δ	16.90		+16.87		89° 0′ 40″	57.942	+57.934		7.39		+7.32	
					50	58.106	+58.097					

1917	43 Hev. Cephei 4ᵐ.3				α Ursae minoris 2ᵐ.0				Gr. 750 6ᵐ.8			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$0^h 56^m$	in s 0.01	+85° 48′	in ″ 0.01	$1^h 29^m$	in s 0.01	+88° 51′	in ″ 0.01	$4^h 9^m$	in s 0.01	+85° 20′	in ″ 0.01
April 21	55.15	− 2	50.76	− 7	19.31	− 7	51.85	− 6	58.66	− 7	26.62	− 1
22	55.27	+ 2	50.48	− 7	19.61	+ 9	51.55	− 7	58.56	− 5	26.34	− 5
23	55.40	+ 6	50.20	− 5	19.93	+23	51.26	− 5	58.47	− 2	26.05	− 8
24	55.54	+ 9	49.93	− 1	20.27	+32	50.96	− 2	58.38	+ 2	25.76	− 8
25	55.68	+10	49.66	+ 2	20.63	+35	50.66	+ 1	58.29	+ 5	25.48	− 8
26	55.82	+ 9	49.39	+ 5	21.01	+32	50.37	+ 4	58.21	+ 8	25.19	− 6
27	55.97	+ 6	49.13	+ 8	21.41	+23	50.08	+ 7	58.13	+ 9	24.90	− 2
28	56.13	+ 3	48.87	+ 9	21.82	+11	49.80	+ 9	58.06	+ 9	24.62	+ 2
29	56.29	− 1	48.62	+ 8	22.25	− 2	49.52	+ 9	57.99	+ 7	24.34	+ 5
30	56.45	− 4	48.36	+ 6	22.71	−15	49.24	+ 7	57.92	+ 4	24.05	+ 7
Mai 1	56.62	− 7	48.10	+ 3	23.18	−25	48.95	+ 4	57.86	+ 1	23.76	+ 8
2	56.80	− 9	47.85	0	23.67	−31	48.67	0	57.81	− 3	23.46	+ 9
3	56.97	− 9	47.60	− 4	24.18	−33	48.40	− 4	57.76	− 6	23.17	+ 7
4	57.15	− 8	47.36	− 7	24.70	−28	48.13	− 7	57.72	− 9	22.87	+ 3
5	57.34	− 5	47.12	− 9	25.25	−18	47.86	−10	57.68	−10	22.57	− 1
6	57.53	− 1	46.89	−10	25.81	− 4	47.59	−11	57.65	− 9	22.27	− 5
7	57.73	+ 3	46.66	− 9	26.38	+11	47.33	−10	57.62	− 7	21.97	− 8
8	57.93	+ 7	46.44	− 6	26.98	+23	47.07	− 8	57.59	− 4	21.67	−10
9	58.13	+ 9	46.22	− 2	27.59	+31	46.81	− 4	57.57	0	21.37	−11
10	58.34	+ 8	46.00	+ 3	28.22	+31	46.56	+ 2	57.56	+ 4	21.07	− 9
11	58.55	+ 6	45.79	+ 6	28.86	+23	46.31	+ 6	57.55	+ 7	20.76	− 4
12	58.77	+ 2	45.58	+ 8	29.52	+10	46.06	+ 9	57.54	+ 8	20.45	+ 1
13	58.99	− 2	45.38	+ 9	30.20	− 6	45.82	+10	57.55	+ 7	20.14	+ 6
14	59.21	− 6	45.18	+ 7	30.90	−21	45.58	+ 8	57.56	+ 4	19.83	+ 9
15	59.44	− 8	44.98	+ 4	31.60	−31	45.35	+ 5	57.57	0	19.52	+10
16	59.67	− 9	44.79	0	32.32	−32	45.12	+ 1	57.58	− 3	19.21	+ 9
17	59.91	− 7	44.61	− 4	33.06	−26	44.90	− 4	57.60	− 6	18.91	+ 6
18	60.15	− 4	44.43	− 5	33.81	−14	44.67	− 7	57.63	− 7	18.61	+ 1
19	60.39	+ 1	44.26	− 6	34.58	+ 2	44.45	− 8	57.66	− 6	18.32	− 3
20	60.64	+ 5	44.09	− 5	35.36	+17	44.25	− 6	57.69	− 4	18.02	− 6
21	60.88	+ 8	43.92	− 3	36.16	+29	44.05	− 4	57.73	0	17.72	− 9
22	61.13	+10	43.76	+ 1	36.97	+34	43.84	− 1	57.78	+ 4	17.42	− 8
23	61.39	+ 9	43.61	+ 4	37.79	+33	43.64	+ 3	57.83	+ 7	17.11	− 6
24	61.65	+ 7	43.46	+ 6	38.63	+26	43.44	+ 6	57.88	+ 9	16.81	− 3
25	61.91	+ 4	43.31	+ 7	39.48	+16	43.25	+ 8	57.94 58.01	+ 9 + 8	16.51 16.21	+ 1 + 3
26	62.17	+ 1	43.17	+ 8	40.34	+ 3	43.07	+ 9	58.08	+ 6	15.91	+ 6
27	62.44	− 3	43.04	+ 6	41.22	−11	42.89	+ 8	58.16	+ 2	15.61	+ 8
28	62.71	− 6	42.91	+ 4	42.10	−22	42.71	+ 6	58.24	− 1	15.32	+ 9
sec δ, tg δ	13.70		+13.66		88° 51′ 40″ 50		50.312 50.435	+50.302 +50.425	12.30		+12.26	

Scheinbare Sternörter 1917

1917	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$7^h 2^m$	in 0.01 s	+87° 11′	in 0.01 ″	$9^h 25^m$	in 0.01 s	+81° 41′	in 0.01 ″	$16^h 54^m$	in 0.01 s	+82° 10′	in 0.01 ″
April 21	15.38	− 9	11.65	+ 4	30.77	− 2	50.69	+ 7	29.29	+ 2	13.77	0
22	14.99	−10	11.53	− 1	30.64	− 4	50.78	+ 4	29.39	+ 1	14.04	+ 4
23	14.61	− 9	11.42	− 5	30.51	− 4	50.86	− 1	29.48	0	14.31	+ 7
24	14.23	− 5	11.30	− 8	30.37	− 4	50.93	− 5	29.57	− 1	14.58	+ 9
25	13.85	0	11.18	−10	30.24	− 2	51.00	− 8	29.66	− 2	14.85	+ 8
26	13.48	+ 5	11.05	− 9	30.11	− 1	51.06	−10	29.75	− 3	15.13	+ 6
27	13.11	+ 9	10.91	− 8	29.97	+ 1	51.11	− 9	29.83	− 3	15.41	+ 3
28	12.75	+12	10.77	− 5	29.84	+ 3	51.17	− 8	29.91	− 3	15.69	− 1
29	12.39	+13	10.62	− 1	29.70	+ 4	51.22	− 5	29.99	− 2	15.97	− 4
30	12.03	+11	10.47	+ 3	29.56	+ 5	51.26	− 2	30.07	− 1	16.26	− 7
Mai 1	11.68	+ 8	10.31	+ 6	29.43	+ 4	51.29	+ 2	30.14	0	16.56	− 9
2	11.33	+ 4	10.14	+ 8	29.29	+ 3	51.31	+ 6	30.22	+ 2	16.86	− 9
3	10.98	− 2	9.96	+ 9	29.15	+ 1	51.33	+ 9	30.29	+ 3	17.16	− 7
4	10.64	− 8	9.77	+ 8	29.02	− 1	51.34	+10	30.35	+ 3	17.46	− 4
5	10.31	−13	9.58	+ 6	28.88	− 3	51.34	+11	30.42	+ 3	17.75	+ 1
6	9.99	−16	9.39	+ 2	28.74	− 5	51.35	+ 9	30.48	+ 3	18.05	+ 5
7	9.66	−16	9.21	− 2	28.61	− 6	51.34	+ 5	30.54	+ 2	18.36	+ 8
8	9.34	−13	9.02	− 6	28.47	− 6	51.33	+ 1	30.59	+ 1	18.67	+10
9	9.03	− 8	8.83	− 8	28.34	− 5	51.32	− 4	30.65	− 1	18.98	+ 9
10	8.73	− 1	8.63	− 9	28.20	− 2	51.30	− 7	30.70	− 2	19.29	+ 7
11	8.42	+ 6	8.42	− 8	28.07	0	51.27	− 8	30.75	− 3	19.61	+ 3
12	8.12	+11	8.21	− 4	27.94	+ 3	51.23	− 8	30.79	− 3	19.93	− 1
13	7.83	+14	7.99	+ 1	27.80	+ 5	51.19	− 5	30.83	− 2	20.25	− 6
14	7.55	+13	7.76	+ 5	27.67	+ 6	51.14	− 1	30.87	− 1	20.57	−10
15	7.27	+ 9	7.53	+ 8	27.54	+ 5	51.09	+ 3	30.91	+ 1	20.89	−11
16	7.00	+ 4	7.31	+ 9	27.40	+ 3	51.04	+ 7	30.94	+ 2	21.21	− 8
17	6.73	− 3	7.08	+ 9	27.27	+ 1	50.98	+ 8	30.97	+ 3	21.53	− 6
18	6.47	− 8	6.84	+ 6	27.14	− 1	50.92	+ 7	31.00	+ 3	21.85	− 1
19	6.22	−10	6.60	+ 2	27.01	− 3	50.85	+ 5	31.03	+ 2	22.18	+ 4
20	5.97	−10	6.35	− 4	26.88	− 4	50.78	+ 1	31.05	+ 1	22.50	+ 7
21	5.73	− 7	6.10	− 8	26.75	− 4	50.70	− 3	31.07	− 1	22.83	+ 9
22	5.49	− 3	5.84	− 9	26.63	− 3	50.61	− 7	31.09	− 2	23.16	+ 9
23	5.26	+ 2	5.58	− 9	26.50	− 1	50.52	− 9	31.10	− 3	23.49	+ 7
24	5.04	+ 8	5.31	− 8	26.37	+ 1	50.43	−10	31.11	− 3	23.82	+ 4
25	4.82	+11	5.04	− 5	26.25	+ 3	50.33	− 9	31.12	− 3	24.16	+ 1
26	4.61	+13	4.77	− 2	26.12	+ 4	50.22	− 6	31.13	− 2	24.49	− 3
27	4.41	+12	4.51	+ 2	26.00	+ 5	50.11	− 3	31.13	− 1	24.82	− 7
28	4.22	+ 9	4.24	+ 5	25.88	+ 4	50.00	+ 1	31.13	0	25.15	− 8
sec δ, tg δ	20.37		+20.34		6.92		+6.85		7.34		+7.27	

1917	δ Ursae minoris $4^m.3$				λ Ursae minoris $6^m.8$				76 Draconis $6^m.0$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$17^h 59^m$	in ^{s} 0.01	+86° 36′	in $''$ 0.01	$19^h 2^m$	in ^{s} 0.01	+89° 0′	in $''$ 0.01	$20^h 48^m$	in ^{s} 0.01	+82° 13′	in $''$ 0.01
April 21	^{s}1.49	+ 7	$''$32.37	0	^{s}16.36	+25	$''$44.64	− 3	^{s}35.78	+ 1	$''$16.48	− 5
22	1.77	+ 6	32.57	+ 4	17.49	+26	44.77	+ 2	35.94	+ 3	16.47	− 1
23	2.05	+ 3	32.77	+ 7	18.61	+20	44.90	+ 7	36.10	+ 3	16.46	+ 3
24	2.33	0	32.98	+ 9	19.71	+ 9	45.03	+ 9	36.26	+ 3	16.46	+ 7
25	2.60	− 4	33.20	+ 9	20.81	− 4	45.16	+10	36.43	+ 2	16.47	+ 9
26	2.86	− 7	33.42	+ 8	21.90	−16	45.30	+10	36.59	+ 1	16.48	+10
27	3.12	− 8	33.64	+ 4	22.97	−26	45.45	+ 7	36.75	0	16.50	+ 9
28	3.38	− 9	33.87	+ 1	24.03	−31	45.60	+ 3	36.91	− 2	16.53	+ 6
39	3.63	− 8	34.10	− 3	25.08	−30	45.76	− 1	37.08	− 3	16.56	+ 2
30	3.88	− 5	34.34	− 6	26.12	−25	45.92	− 4	37.24	− 3	16.60	− 2
Mai 1	4.12	− 2	34.58	− 8	27.15	−16	46.09	− 7	37.40	− 3	16.65	− 5
2	4.36	+ 1	34.82	− 9	28.17	− 4	46.27	− 9	37.56	− 3	16.71	− 8
3	4.59	+ 5	35.06	− 8	29.17	+11	46.45	− 9	37.72	− 1	16.76	− 9
4	4.82	+ 8	35.31	− 6	30.16	+24	46.63	− 8	37.88	0	16.82	−10
5	5.04	+10	35.56	− 2	31.14	+34	46.82	− 4	38.04	+ 2	16.89	− 8
6	5.26	+10	35.82	+ 3	32.10	+39	47.02	0	38.20	+ 3	16.97	− 5
7	5.47	+ 8	36.08	+ 6	33.05	+37	47.22	+ 4	38.36	+ 4	17.06	− 1
8	5.68	+ 5	36.35	+ 9	33.98	+28	47.42	+ 7	38.52	+ 4	17.15	+ 4
9	5.88	+ 1	36.61	+10	34.90	+13	47.63	+10	38.68	+ 3	17.24	+ 7
10	6.07	− 3	36.88	+ 9	35.80	− 4	47.84	+ 9	38.84	+ 2	17.34	+ 9
11	6.26	− 7	37.16	+ 5	36.69	−20	48.06	+ 6	38.99	0	17.45	+ 8
12	6.45	− 9	37.44	+ 1	37.56	−31	48.29	+ 2	39.15	− 2	17.56	+ 6
13	6.63	− 8	37.73	− 4	38.42	−35	48.51	− 3	39.31	− 3	17.68	+ 2
14	6.80	− 6	38.01	− 8	39.26	−30	48.74	− 7	39.46	− 4	17.81	− 3
15	6.96	− 2	38.29	−10	40.08	−18	48.98	− 9	39.61	− 4	17.93	− 7
16	7.12	+ 2	38.58	−10	40.89	− 3	49.22	−10	39.77	− 3	18.07	− 9
17	7.28	+ 5	38.88	− 7	41.68	+12	49.46	− 8	39.92	− 1	18.21	− 8
18	7.43	+ 7	39.17	− 3	42.46	+23	49.71	− 4	40.07	+ 1	18.36	− 6
19	7.57	+ 7	39.47	+ 2	43.22	+27	49.96	+ 1	40.22	+ 2	18.51	− 3
20	7.70	+ 5	39.77	+ 6	43.95	+24	50.22	+ 5	40.36	+ 3	18.66	+ 2
21	7.83	+ 2	40.07	+ 9	44.67	+15	50.48	+ 8	40.51	+ 3	18.82	+ 7
22	7.96	− 2	40.38	+10	45.38	+ 2	50.75	+ 9	40.66	+ 3	18.99	+ 9
23	8.08	− 5	40.69	+ 8	46.06	−11	51.01	+ 9	40.80	+ 1	19.17	+ 9
24	8.19	− 7	41.00	+ 6	46.73	−22	51.27	+ 8	40.94	0	19.35	+ 9
25	8.30	− 8	41.31	+ 2	47.38	−29	51.54	+ 4	41.09	− 1	19.53	+ 7
26	8.40	− 8	41.62	− 2	48.01	−31	51.81	0	41.23	− 2	19.72	+ 4
27	8.49	− 6	41.94	− 5	48.61	−28	52.09	− 3	41.37	− 3	19.91	− 1
28	8.57	− 3	42.26	− 7	49.20	−20	52.38	− 6	41.50	− 3	20.11	− 5
sec δ, tg δ	16.91		+16.88		89° 0′ 40″ 50	57.942 58.106	+57.934 +58.097		7.39		+7.32	

Scheinbare Sternörter 1917

1917	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$0^h 57^m$ s	in s 0.01	+85°48′ ″	in ″ 0.01	$1^h 29^m$ s	in s 0.01	+88°51′ ″	in ″ 0.01	$4^h 9^m$ s	in s 0.01	+85°20′ ″	in ″ 0.01
Mai 28	2.71	− 6	42.91	+ 4	42.10	−22	42.71	+ 6	58.24	− 1	15.32	+ 9
29	2.98	− 8	42.78	+ 1	43.00	−30	42.55	+ 3	58.32	− 5	15.04	+ 7
30	3.26	− 9	42.66	− 3	43.91	−33	42.39	− 1	58.41	− 8	14.75	+ 5
31	3.53	− 8	42.54	− 6	44.83	−30	42.22	− 6	58.50	−10	14.46	+ 1
Juni 1	3.81	− 6	42.43	− 8	45.76	−23	42.06	− 9	58.60	−10	14.17	− 3
2	4.09	− 3	42.32	−10	46.70	−10	41.91	−11	58.70	− 9	13.88	− 7
3	4.38	+ 1	42.22	−10	47.66	+ 4	41.76	−11	58.81	− 6	13.60	− 9
4	4.66	+ 5	42.12	− 8	48.62	+18	41.61	− 9	58.92	− 2	13.32	−10
5	4.95	+ 8	42.03	− 4	49.59	+28	41.47	− 5	59.04	+ 3	13.04	− 8
6	5.24	+ 9	41.95	+ 1	50.58	+31	41.34	0	59.16	+ 6	12.77	− 5
7	5.53	+ 7	41.87	+ 5	51.57	+27	41.22	+ 5	59.29	+ 8	12.49	− 1
8	5.83	+ 4	41.80	+ 8	52.57	+16	41.09	+ 8	59.42	+ 8	12.22	+ 4
9	6.12	0	41.73	+10	53.58	+ 1	40.97	+10	59.55	+ 6	11.95	+ 8
10	6.42	− 4	41.66	+ 8	54.60	−15	40.86	+10	59.69	+ 3	11.68	+11
11	6.72	− 8	41.60	+ 5	55.63	−27	40.75	+ 7	59.83	− 1	11.41	+10
12	7.02	− 9	41.55	+ 1	56.66	−31	40.65	+ 3	59.98	− 5	11.14	+ 8
13	7.32	− 8	41.51	− 2	57.71	−29	40.55	− 1	60.13	− 7	10.88	+ 3
14	7.63	− 5	41.47	− 5	58.76	−18	40.46	− 5	60.29	− 7	10.62	− 1
15	7.93	− 1	41.43	− 6	59.82	− 4	40.37	− 7	60.45	− 5	10.37	− 5
16	8.24	+ 4	41.40	− 6	60.88	+12	40.29	− 7	60.61	− 2	10.12	− 8
17	8.54	+ 7	41.38	− 4	61.95	+25	40.21	− 5	60.78	+ 2	9.87	− 8
18	8.85	+ 9	41.36	0	63.03	+32	40.14	− 2	60.95	+ 6	9.62	− 8
19	9.16	+10	41.35	+ 3	64.12	+34	40.07	+ 2	61.13	+ 8	9.37	− 5
20	9.47	+ 8	41.34	+ 6	65.21	+29	40.01	+ 6	61.31	+ 9	9.13	− 1
21	9.78	+ 6	41.34	+ 7	66.30	+20	39.96	+ 7	61.49	+ 8	8.89	+ 3
22	10.10	+ 2	41.34	+ 8	67.40	+ 7	39.92	+ 8	61.68	+ 6	8.65	+ 5
23	10.41	− 2	41.36	+ 7	68.51	− 6	39.88	+ 8	61.87	+ 3	8.42	+ 7
24	10.72	− 5	41.38	+ 5	69.62	−18	39.84	+ 6	62.07	0	8.19	+ 8
25	11.03	− 7	41.40	+ 2	70.73	−27	39.81	+ 4	62.27	− 4	7.96	+ 7
26	11.34	− 9	41.42	− 2	71.85	−32	39.78	0	62.47	− 7	7.74	+ 6
27	11.66	− 9	41.45	− 6	72.97	−32	39.75	− 4	62.67	− 9	7.52	+ 3
28	11.97	− 7	41.49	− 9	74.09	−26	39.73	− 8	62.88	−10	7.30	− 2
29	12.28	− 4	41.54	−11	75.22	−16	39.72	−11	63.09	−10	7.09	− 6
30	12.60	0	41.60	−12	76.35	− 2	39.71	−12	63.31	− 7	6.88	− 9
Juli 1	12.91	+ 4	41.66	−10	77.49	+12	39.70	−11	63.53	− 4	6.67	−10
2	13.22	+ 7	41.72	− 6	78.63	+24	39.71	− 8	63.76	0	6.46	−10
3	13.54	+ 8	41.79	− 2	79.76	+30	39.72	− 3	63.98	+ 4	6.26	− 7
4	13.85	+ 8	41.86	+ 3	80.90	+29	39.74	+ 2	64.21	+ 7	6.07	− 3
sec δ, tg δ	13.69		+13.66		88°51′40″	50.312	+50.302		12.30		+12.26	
					50	50.435	+50.425					

1917	51 Hev. Cephei 5ᵐ.2				1 Hev. Draconis 4ᵐ.3				ε Ursae minoris 4ᵐ.2			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$7^h\,2^m$	in ^{s} 0.01	+87° 10′	in ″ 0.01	$9^h\,25^m$	in ^{s} 0.01	+81° 41′	in ″ 0.01	$16^h\,54^m$	in ^{s} 0.01	+82° 10′	in ″ 0.01
Mai 28	^{s}4.22	+ 9	″64.24	+ 5	^{s}25.88	+ 4	″50.00	+ 1	^{s}31.13	0	″25.15	− 8
29	4.03	+ 5	63.98	+ 8	25.76	+ 3	49.88	+ 4	31.13	+ 1	25.48	− 8
30	3.85	0	63.71	+ 9	25.64	+ 2	49.75	+ 8	31.13	+ 2	25.81	− 7
31	3.67	− 6	63.43	+ 9	25.52	0	49.61	+10	31.12	+ 3	26.14	− 5
Juni 1	3.50	−11	63.14	+ 8	25.41	− 2	49.46	+10	31.11	+ 4	26.47	− 1
2	3.35	−15	62.84	+ 5	25.29	− 4	49.32	+ 9	31.10	+ 3	26.79	+ 3
3	3.20	−16	62.54	+ 1	25.18	− 6	49.17	+ 6	31.08	+ 3	27.12	+ 7
4	3.05	−15	62.24	− 3	25.06	− 6	49.01	+ 2	31.06	+ 1	27.45	+ 9
5	2.91	−10	61.95	− 7	24.95	− 5	48.84	− 3	31.04	0	27.78	+10
6	2.78	− 4	61.66	− 9	24.84	− 3	48.67	− 6	31.01	− 2	28.10	+ 9
7	2.65	+ 3	61.37	− 9	24.73	− 1	48.51	− 8	30.98	− 3	28.43	+ 5
8	2.54	+10	61.08	− 6	24.62	+ 2	48.34	− 8	30.95	− 3	28.76	0
9	2.43	+14	60.78	− 2	24.52	+ 4	48.16	− 6	30.92	− 3	29.08	− 5
10	2.33	+15	60.47	+ 3	24.42	+ 5	47.98	− 3	30.88	− 2	29.41	− 9
11	2.23	+12	60.15	+ 7	24.31	+ 6	47.79	+ 1	30.84	0	29.73	−10
12	2.15	+ 7	59.84	+10	24.21	+ 4	47.60	+ 5	30.80	+ 1	30.05	−10
13	2.07	0	59.53	+10	24.11	+ 2	47.40	+ 8	30.76	+ 2	30.36	− 7
14	2.00	− 6	59.22	+ 7	24.01	0	47.20	+ 9	30.71	+ 3	30.68	− 2
15	1.93	− 9	58.92	+ 4	23.91	− 2	46.99	+ 6	30.66	+ 2	30.99	+ 2
16	1.87	−10	58.61	− 1	23.82	− 4	46.78	+ 2	30.61	+ 1	31.30	+ 6
17	1.82	− 9	58.30	− 6	23.73	− 4	46.57	− 2	30.56	0	31.61	+ 8
18	1.78	− 5	57.99	− 8	23.64	− 4	46.36	− 5	30.50	− 2	31.92	+ 9
19	1.74	0	57.67	−10	23.55	− 2	46.14	− 7	30.44	− 3	32.23	+ 8
20	1.72	+ 5	57.35	− 9	23.46	0	45.91	− 9	30.38	− 3	32.54	+ 5
21	1.70	+10	57.02	− 6	23.38	+ 2	45.68	−10	30.31	− 3	32.84	+ 1
22	1.69	+12	56.69	− 3	23.29	+ 3	45.45	− 8	30.24	− 3	33.14	− 2
23	1.69	+12	56.36	+ 1	23.21	+ 4	45.22	− 5	30.17	− 2	33.44	− 6
24	1.69	+10	56.04	+ 4	23.13	+ 5	44.98	− 1	30.10	− 1	33.74	− 7
25	1.70	+ 7	55.72	+ 7	23.05	+ 4	44.73	+ 3	30.02	+ 1	34.03	− 8
26	1.72	+ 2	55.40	+ 9	22.98	+ 3	44.48	+ 6	29.95	+ 2	34.32	− 7
27	1.75	− 4	55.08	+ 9	22.90	+ 1	44.23	+ 9	29.87	+ 3	34.61	− 5
28	1.78	−10	54.76	+ 8	22.83	− 2	43.97	+10	29.78	+ 4	34.90	− 2
29	1.82	−15	54.44	+ 6	22.76	− 4	43.70	+11	29.70	+ 4	35.19	+ 2
30	1.87	−17	54.12	+ 2	22.69	− 6	43.43	+ 9	29.61	+ 3	35.48	+ 6
Juli 1	1.93	−17	53.79	− 2	22.63	− 6	43.15	+ 5	29.52	+ 2	35.76	+ 8
2	1.99	−13	53.46	− 7	22.56	− 6	42.88	0	29.43	+ 1	36.03	+10
3	2.07	− 8	53.13	− 9	22.50	− 5	42.60	− 5	29.33	− 1	36.30	+ 9
4	2.14	0	52.80	− 9	22.44	− 2	42.32	− 7	29.24	− 2	36.57	+ 6
sec δ, tg δ	20.35		+20.33		6.92		+6.85		7.34		+7.28	

1917	δ Ursae minoris 4ᵐ.3 AR.	☾ Gl.	Dekl.	☾ Gl.	λ Ursae minoris 6ᵐ.8 AR.	☾ Gl.	Dekl.	☾ Gl.	76 Draconis 6ᵐ.0 AR.	☾ Gl.	Dekl.	☾ Gl.
	$17^h 59^m$	in 0.01s	+86° 36'	in 0.01"	$19^h 2^m$	in 0.01s	+89° 0'	in 0.01"	$20^h 48^m$	in 0.01s	+82° 13'	in 0.01"
Mai 28	8.57	− 3	42.26	− 7	49.20	−20	52.38	− 6	41.50	− 3	20.11	− 5
29	8.65	0	42.57	− 9	49.77	− 8	52.66	− 8	41.64	− 3	20.31	− 8
30	8.73	+ 4	42.89	− 9	50.33	+ 6	52.95	− 9	41.77	− 2	20.52	−10
31	8.80	+ 7	43.22	− 7	50.86	+20	53.24	− 8	41.91	− 1	20.74	−10
Juni 1	8.86	+10	43.54	− 4	51.37	+32	53.54	− 6	42.04	+ 1	20.96	− 9
2	8.91	+11	43.87	0	51.86	+39	53.84	− 3	42.17	+ 3	21.18	− 6
3	8.96	+10	44.19	+ 4	52.33	+40	54.14	+ 2	42.30	+ 4	21.41	− 3
4	9.00	+ 7	44.51	+ 8	52.78	+33	54.44	+ 6	42.42	+ 4	21.64	+ 2
5	9.03	+ 3	44.84	+10	53.21	+20	54.74	+ 8	42.55	+ 4	21.88	+ 6
6	9.06	− 2	45.17	+ 9	53.62	+ 3	55.04	+ 9	42.67	+ 3	22.12	+ 8
7	9.08	− 6	45.49	+ 7	54.01	−15	55.34	+ 8	42.79	+ 1	22.36	+ 9
8	9.10	− 8	45.82	+ 2	54.37	−29	55.65	+ 4	42.91	− 1	22.61	+ 7
9	9.11	− 9	46.15	− 3	54.72	−36	55.96	0	43.03	− 3	22.87	+ 3
10	9.11	− 7	46.48	− 7	55.05	−34	56.28	− 5	43.14	− 4	23.14	− 1
11	9.11	− 4	46.81	−10	55.35	−25	56.60	− 8	43.26	− 4	23.40	− 5
12	9.10	0	47.14	−10	55.64	−11	56.92	−10	43.37	− 3	23.67	− 8
13	9.08	+ 3	47.47	− 8	55.90	+ 5	57.24	− 9	43.48	− 2	23.94	− 8
14	9.06	+ 6	47.80	− 4	56.14	+18	57.56	− 6	43.59	0	24.22	− 7
15	9.03	+ 7	48.13	0	56.36	+25	57.88	− 2	43.69	+ 2	24.50	− 3
16	9.00	+ 6	48.45	+ 5	56.56	+25	58.21	+ 3	43.79	+ 3	24.78	+ 1
17	8.96	+ 3	48.78	+ 8	56.74	+18	58.53	+ 7	43.89	+ 3	25.07	+ 5
18	8.91	− 1	49.11	+10	56.89	+ 7	58.86	+ 9	43.99	+ 3	25.36	+ 8
19	8.85	− 4	49.44	+ 9	57.02	− 6	59.18	+10	44.09	+ 2	25.65	+10
20	8.79	− 7	49.77	+ 7	57.14	−18	59.51	+ 9	44.18	+ 1	25.95	+10
21	8.72	− 8	50.10	+ 3	57.23	−27	59.84	+ 5	44.27	− 1	26.25	+ 9
22	8.64	− 8	50.43	0	57.29	−31	60.17	+ 2	44.36	− 2	26.55	+ 5
23	8.56	− 7	50.76	− 4	57.34	−29	60.50	− 2	44.45	− 3	26.86	+ 1
24	8.48	− 4	51.09	− 7	57.36	−23	60.84	− 6	44.54	− 3	27.17	− 2
25	8.39	− 1	51.41	− 8	57.37	−12	61.17	− 8	44.62	− 3	27.48	− 5
26	8.29	+ 3	51.73	− 9	57.35	+ 1	61.50	−10	44.70	− 2	27.79	− 8
27	8.18	+ 6	52.05	− 7	57.31	+16	61.84	− 9	44.77	− 1	28.11	− 9
28	8.07	+ 9	52.37	− 5	57.25	+29	62.17	− 7	44.85	+ 1	28.43	− 9
29	7.95	+11	52.69	− 1	57.16	+38	62.49	− 4	44.92	+ 2	28.75	− 8
30	7.83	+11	53.01	+ 3	57.05	+42	62.82	0	44.99	+ 3	29.08	− 5
Juli 1	7.70	+ 9	53.33	+ 7	56.93	+39	63.16	+ 5	45.06	+ 4	29.42	− 1
2	7.56	+ 5	53.65	+ 9	56.78	+28	63.49	+ 8	45.13	+ 4	29.75	+ 4
3	7.42	+ 1	53.96	+ 9	56.61	+12	63.83	+ 9	45.19	+ 3	30.09	+ 7
4	7.27	− 4	54.28	+ 8	56.41	− 7	64.16	+ 9	45.25	+ 2	30.42	+ 9
sec δ, tg δ	16.93		+16.90		89° 0' 50" 60	58.106 58.270	+58.097 +58.261		7.39		+7.32	

1917	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$0^h 57^m$	in ^{s} 0.01	+85° 48′	in ″ 0.01	$1^h 30^m$	in ^{s} 0.01	+88° 51′	in ″ 0.01	$4^h 10^m$	in ^{s} 0.01	+85° 20′	in ″ 0.01
Juli 4	13.85	+ 8	41.86	+ 3	20.90	+29	39.74	+ 2	4.21	+ 7	6.07	− 3
5	14.16	+ 6	41.94	+ 7	22.05	+20	39.76	+ 6	4.44	+ 8	5.88	+ 2
6	14.48	+ 2	42.02	+ 9	23.19	+ 7	39.78	+ 9	4.68	+ 7	5.70	+ 7
7	14.79	− 2	42.11	+ 9	24.34	− 9	39.81	+10	4.92	+ 4	5.52	+10
8	15.10	− 6	42.20	+ 7	25.48	−22	39.85	+ 9	5.16	+ 1	5.35	+10
9	15.41	− 9	42.29	+ 4	26.63	−30	39.89	+ 5	5.41	− 3	5.17	+ 9
10	15.72	− 8	42.39	0	27.77	−30	39.93	+ 1	5.66	− 6	4.99	+ 6
11	16.03	− 6	42.50	− 4	28.92	−22	39.99	− 4	5.91	− 6	4.82	+ 1
12	16.34	− 2	42.62	− 6	30.06	− 9	40.06	− 6	6.16	− 5	4.66	− 4
13	16.65	+ 2	42.74	− 6	31.21	+ 6	40.12	− 7	6.42	− 3	4.50	− 7
14	16.96	+ 6	42.86	− 4	32.36	+21	40.19	− 5	6.68	+ 1	4.35	− 8
15	17.26	+ 9	42.99	− 1	33.50	+31	40.27	− 3	6.94	+ 5	4.20	− 7
16	17.57	+10	43.12	+ 2	34.64	+34	40.35	0	7.20	+ 7	4.06	− 5
17	17.87	+ 9	43.26	+ 5	35.78	+32	40.44	+ 4	7.47	+ 9	3.92	− 3
18	18.17	+ 7	43.40	+ 7	36.92	+24	40.53	+ 7	7.74	+ 9	3.79	+ 1
19	18.47	+ 3	43.55	+ 9	38.06	+12	40.62	+ 8	8.01	+ 7	3.66	+ 4
20	18.77	0	43.71	+ 8	39.19	− 1	40.72	+ 9	8.28	+ 5	3.54	+ 6
21	19.07	− 4	43.87	+ 6	40.33	−13	40.83	+ 7	8.56	+ 1	3.42	+ 7
22	19.37	− 7	44.04	+ 3	41.46	−24	40.95	+ 4	8.84	− 2	3.30	+ 8
23	19.67	− 9	44.21	− 1	42.58	−31	41.07	+ 1	9.12	− 6	3.18	+ 6
24	19.96	− 9	44.39	− 4	43.71	−32	41.20	− 3	9.40	− 9	3.07	+ 3
25	20.25	− 8	44.57	− 7	44.83	−29	41.33	− 7	9.68	−10	2.97	− 1
26	20.54	− 6	44.75	−10	45.94	−20	41.47	−10	9.97	−10	2.87	− 5
27	20.83	− 2	44.94	−12	47.05	− 8	41.61	−12	10.25	− 9	2.77	− 9
28	21.12	+ 2	45.14	−11	48.16	+ 6	41.75	−12	10.54	− 6	2.68	−11
29	21.40	+ 5	45.34	− 8	49.26	+18	41.90	− 9	10.84	− 2	2.59	−10
30	21.68	+ 7	45.54	− 4	50.36	+27	42.05	− 5	11.13	+ 2	2.50	− 8
31	21.96	+ 8	45.75	+ 1	51.46	+28	42.21	0	11.42	+ 6	2.42	− 5
Aug. 1	22.24	+ 6	45.97	+ 5	52.55	+23	42.37	+ 5	11.72	+ 7	2.35	− 1
2	22.52	+ 3	46.19	+ 8	53.63	+12	42.54	+ 8	12.02	+ 7	2.28	+ 4
3	22.79	− 1	46.41	+ 9	54.71	− 3	42.72	+10	12.31	+ 5	2.22	+ 8
4	23.06	− 5	46.64	+ 7	55.78	−17	42.89	+ 9	12.61	+ 2	2.16	+10
5	23.33	− 8	46.87	+ 4	56.84	−27	43.07	+ 6	12.92	− 2	2.11	+10
6	23.60	− 9	47.11	+ 1	57.90	−30	43.26	+ 2	13.22	− 5	2.07	+ 7
7	23.86	− 7	47.34	− 2	58.95	−26	43.45	− 2	13.52	− 6	2.03	+ 3
8	24.12	− 4	47.58	− 4	60.00	−14	43.64	− 5	13.83	− 6	1.98	− 2
9	24.38	0	47.83	− 6	61.04	+ 1	43.84	− 6	14.13	− 3	1.94	− 6
10	24.64	+ 5	48.08	− 6	62.07	+16	44.05	− 6	14.44	0	1.90	− 8
sec δ, tg δ	13.69		+13.66		88° 51′ 40″ 50	50.312 50.435	+50.302 +50.425		12.29		+12.25	

Scheinbare Sternörter 1917

1917		51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
		AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
		$7^h\ 2^m$	in ^{s} 0.01	+87° 10′	in ″ 0.01	$9^h 25^m$	in ^{s} 0.01	+81° 41′	in ″ 0.01	$16^h 54^m$	in ^{s} 0.01	+82° 10′	in ″ 0.01
Juli	4	^{s}2.14	0	″52.80	− 9	^{s}22.44	− 2	″42.32	− 7	^{s}29.24	− 2	″36.57	+ 6
	5	2.23	+ 7	52.48	− 7	22.38	+ 1	42.03	− 8	29.14	− 3	36.84	+ 2
	6	2.33	+12	52.16	− 3	22.33	+ 4	41.74	− 8	29.04	− 3	37.10	− 3
	7	{ 2.43 2.54	+15 +14	51.84 51.52	+ 1 + 5	22.27	+ 5	41.46	− 6	28.93	− 2	37.36	− 7
	8	2.66	+10	51.20	+ 8	22.22	+ 6	41.17	− 2	28.83	− 1	37.62	− 9
	9	2.78	+ 4	50.87	+10	22.17	+ 5	40.88	+ 3	28.72	+ 1	37.87	−11
	10	2.91	− 2	50.54	+ 8	22.12	+ 3	40.58	+ 7	28.61	+ 2	38.12	− 9
	11	3.05	− 7	50.21	+ 5	22.08	+ 1	40.28	+ 9	28.49	+ 2	38.37	− 5
	12	3.19	−10	49.89	+ 2	22.03	− 2	39.99	+ 8	28.38	+ 2	38.61	0
	13	3.34	− 9	49.57	− 3	21.99	− 3	39.69	+ 4	28.26	+ 1	38.85	+ 5
	14	3.50	− 6	49.25	− 7	21.95	− 4	39.38	0	28.14	0	39.09	+ 8
	15	3.67	− 1	48.93	−10	21.92	− 4	39.07	− 5	28.02	− 1	39.32	+ 9
	16	3.84	+ 4	48.62	−10	21.88	− 3	38.76	− 9	27.90	− 2	39.55	+ 8
	17	4.02	+ 9	48.30	− 8	21.85	− 1	38.46	−10	27.77	− 3	39.77	+ 5
	18	4.21	+12	47.98	− 5	21.82	+ 1	38.14	−11	27.65	− 3	39.99	+ 2
	19	4.41	+13	47.67	− 1	21.79	+ 3	37.82	−10	27.52	− 3	40.20	− 1
	20	4.61	+12	47.35	+ 3	21.77	+ 4	37.49	− 6	27.39	− 2	40.42	− 5
	21	4.82	+ 9	47.04	+ 6	21.74	+ 5	37.16	− 2	27.26	− 1	40.63	− 8
	22	5.04	+ 4	46.73	+ 7	21.72	+ 4	36.83	+ 2	27.12	0	40.84	− 9
	23	5.26	− 1	46.42	+ 8	21.70	+ 3	36.50	+ 5	26.99	+ 2	41.04	− 8
	24	5.49	− 7	46.11	+ 8	21.69	+ 1	36.18	+ 9	26.85	+ 3	41.24	− 6
	25	5.73	−13	45.80	+ 6	21.67	− 1	35.85	+10	26.71	+ 3	41.43	− 4
	26	5.97	−16	45.50	+ 4	21.66	− 3	35.51	+ 9	26.57	+ 4	41.62	0
	27	6.22	−18	45.20	0	21.65	− 5	35.18	+ 8	26.42	+ 4	41.80	+ 5
	28	6.47	−16	44.90	− 4	21.64	− 6	34.84	+ 6	26.28	+ 3	41.98	+ 8
	29	6.73	−11	44.61	− 7	21.64	− 7	34.51	+ 2	26.13	+ 1	42.16	+10
	30	7.00	− 5	44.31	− 8	21.64	− 6	34.18	− 3	25.98	0	42.34	+10
	31	7.28	+ 3	44.01	− 8	21.64	− 3	33.84	− 6	25.83	− 2	42.51	+ 9
Aug.	1	7.56	+ 9	43.71	− 6	21.64	− 1	33.50	− 7	25.68	− 2	42.67	+ 4
	2	7.85	+13	43.42	− 2	21.64	+ 2	33.16	− 8	25.53	− 3	42.82	0
	3	8.14	+14	43.14	+ 3	21.65	+ 4	32.81	− 6	25.38	− 2	42.97	− 6
	4	8.44	+11	42.85	+ 7	21.65	+ 6	32.47	− 2	25.22	− 1	43.11	− 9
	5	8.75	+ 6	42.56	+ 9	21.66	+ 6	32.13	+ 2	25.07	0	43.26	−10
	6	9.06	0	42.28	+ 9	21.67	+ 4	31.79	+ 6	24.91	+ 1	43.40	− 9
	7	9.37	− 5	42.01	+ 7	21.69	+ 2	31.44	+ 7	24.75	+ 2	43.53	− 7
	8	9.70	− 8	41.74	+ 3	21.71	− 1	31.10	+ 6	24.59	+ 2	43.66	− 2
	9	10.03	− 9	41.46	− 2	21.73	− 3	30.75	+ 4	24.43	+ 2	43.78	+ 4
	10	10.36	− 7	41.19	− 7	21.75	− 4	30.40	0	24.27	+ 1	43.90	+ 7
sec δ, tg δ		20.32		+20.30		6.92		+6.85		7.35		+7.28	

1917	δ Ursae minoris 4ᵐ.3				λ Ursae minoris 6ᵐ.8				76 Draconis 6ᵐ.0			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$17^h 58^m$	in ^{s} 0.01	$+86° 36'$	in $''$ 0.01	$19^h 2^m$	in ^{s} 0.01	$+89° 1'$	in $''$ 0.01	$20^h 48^m$	in ^{s} 0.01	$+82° 13'$	in $''$ 0.01
Juli 4	$67.^s27$	− 4	$54.''28$	+ 8	$56.^s41$	− 7	$4.''16$	+ 9	$45.^s25$	+ 2	$30.''42$	+ 9
5	67.11	− 7	54.59	+ 4	56.19	−23	4.50	+ 6	45.31	0	30.76	+ 8
6	66.95	− 9	54.90	− 1	55.96	−33	4.83	+ 1	45.37	− 2	31.10	+ 5
7	66.78	− 8	55.21	− 5	55.71	−36	5.17	− 3	45.42	− 4	31.44	+ 2
8	66.61	− 6	55.52	− 9	55.43	−31	5.50	− 7	45.47	− 4	31.78	− 3
9	66.43	− 2	55.82	−10	55.13	−19	5.84	− 9	45.52	− 4	32.13	− 7
10	66.25	+ 2	56.11	− 9	54.81	− 3	6.18	− 9	45.57	− 2	32.48	− 8
11	66.06	+ 5	56.41	− 6	54.46	+11	6.52	− 7	45.61	− 1	32.83	− 7
12	65.86	+ 6	56.72	− 1	54.10	+21	6.86	− 3	45.65	+ 1	33.19	− 5
13	65.66	+ 6	57.02	+ 3	53.72	+24	7.19	+ 2	45.69	+ 2	33.55	− 1
14	65.45	+ 4	57.31	+ 7	53.31	+20	7.52	+ 6	45.72	+ 3	33.90	+ 3
15	65.24	0	57.60	+ 9	52.89	+11	7.85	+ 9	45.75	+ 3	34.26	+ 7
16	65.02	− 3	57.89	+ 9	52.44	− 2	8.18	+10	45.78	+ 2	34.62	+ 9
17	64.80	− 6	58.17	+ 8	51.97	−15	8.50	+ 9	45.81	+ 1	34.98	+10
18	64.57	− 8	58.45	+ 5	51.49	−25	8.83	+ 6	45.84	0	35.34	+ 9
19	64.34	− 9	58.73	+ 1	50.98	−31	9.15	+ 3	45.86	− 1	35.70	+ 7
20	64.10	− 8	59.00	− 3	50.45	−31	9.48	− 1	45.88	− 2	36.07	+ 3
21	63.86	− 6	59.28	− 6	49.90	−26	9.80	− 5	45.89	− 3	36.43	0
22	63.61	− 3	59.55	− 8	49.33	−17	10.12	− 7	45.91	− 3	36.79	− 4
23	63.35	+ 1	59.82	− 9	48.74	− 4	10.43	− 9	45.92	− 3	37.16	− 8
24	63.09	+ 5	60.09	− 8	48.13	+10	10.75	− 9	45.93	− 2	37.52	−10
25	62.83	+ 8	60.35	− 6	47.50	+24	11.06	− 8	45.94	0	37.89	−10
26	62.56	+10	60.61	− 2	46.85	+36	11.37	− 5	45.94	+ 2	38.26	− 9
27	62.28	+11	60.86	+ 2	46.18	+43	11.68	− 1	45.94	+ 3	38.62	− 7
28	62.00	+10	61.12	+ 6	45.49	+43	11.99	+ 3	45.94	+ 4	38.99	− 3
29	61.72	+ 7	61.37	+ 8	44.79	+35	12.29	+ 6	45.94	+ 4	39.36	+ 1
30	61.43	+ 3	61.62	+ 9	44.07	+21	12.60	+ 8	45.93	+ 4	39.73	+ 5
31	61.13	− 1	61.86	+ 8	43.32	+ 4	12.90	+ 8	45.92	+ 2	40.10	+ 7
Aug. 1	60.83	− 5	62.11	+ 5	42.56	−14	13.21	+ 6	45.91	+ 1	40.46	+ 8
2	60.53	− 8	62.35	+ 1	41.78	−27	13.51	+ 3	45.89	− 1	40.83	+ 6
3	60.22	− 8	62.59	− 4	40.98	−34	13.81	− 2	45.88	− 3	41.20	+ 2
4	59.91	− 7	62.82	− 8	40.16	−32	14.11	− 6	45.86	− 4	41.57	− 2
5	59.60	− 4	63.05	−10	39.33	−23	14.40	− 9	45.83	− 4	41.93	− 6
6	59.28	0	63.27	−10	38.47	− 9	14.68	−10	45.81	− 3	42.30	− 8
7	58.95	+ 3	63.48	− 7	37.60	+ 5	14.97	− 8	45.78	− 2	42.66	− 8
8	58.62	+ 5	63.68	− 3	36.72	+17	15.25	− 4	45.75	0	43.02	− 6
9	58.29	+ 6	63.89	+ 2	35.81	+22	15.53	+ 1	45.72	+ 2	43.38	− 3
10	57.95	+ 4	64.09	+ 6	34.89	+21	15.81	+ 5	45.68	+ 3	43.75	+ 1
sec δ, tg δ	16.94		+16.91		89° 1′ 10″ 20	58.435 58.601	+58.426 +58.592		7.39		+7.33	

1917	43 Hev. Cephei 4^m.3				α Ursae minoris 2^m.0				Gr. 750 6^m.8			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	0^h 57^m s	in s 0.01	+85° 48′ ″	in ″ 0.01	1^h 31^m s	in s 0.01	+88° 51′ ″	in ″ 0.01	4^h 10^m s	in s 0.01	+85° 20′ ″	in ″ 0.01
Aug. 10	24.64	+ 5	48.08	− 6	2.07	+16	44.05	− 6	14.44	0	1.90	− 8
11	24.89	+ 8	48.33	− 3	3.10	+28	44.26	− 3	14.75	+ 4	1.87	− 8
12	25.14	+10	48.59	+ 1	4.12	+34	44.47	0	15.06	+ 7	1.85	− 6
13	25.39	+10	48.85	+ 4	5.13	+34	44.69	+ 4	15.37	+ 9	1.84	− 3
14	25.64	+ 8	49.12	+ 7	6.13	+28	44.92	+ 6	15.68	+10	1.83	0
15	25.88	+ 5	49.39	+ 9	7.12	+18	45.15	+ 8	15.99	+ 8	1.83	+ 3
16	26.12	+ 1	49.67	+ 8	8.11	+ 5	45.38	+10	16.30	+ 6	1.83	+ 6
17	26.36	− 3	49.95	+ 7	9.09	− 8	45.61	+ 9	16.61	+ 3	1.84	+ 8
18	26.60	− 6	50.23	+ 5	10.05	−20	45.85	+ 6	16.92	0	1.85	+ 9
19	26.83	− 8	50.52	+ 1	11.01	−28	46.09	+ 2	17.24	− 4	1.86	+ 7
20	27.06	− 9	50.82	− 2	11.97	−31	46.34	− 2	17.55	− 7	1.88	+ 4
21	27.28	− 8	51.11	− 5	12.91	−30	46.59	− 6	17.87	− 9	1.90	+ 1
22	27.50	− 6	51.41	− 9	13.84	−24	46.85	− 9	18.18	−10	1.92	− 3
23	27.72	− 3	51.71	−11	14.76	−13	47.12	−11	18.50	− 9	1.95	− 7
24	27.93	0	52.01	−11	15.67	0	47.39	−13	18.81	− 7	1.98	−10
25	28.14	+ 4	52.32	−10	16.57	+13	47.66	−11	19.12	− 4	2.02	−11
26	28.35	+ 7	52.63	− 6	17.46	+23	47.93	− 8	19.44	0	2.07	−10
27	28.56	+ 8	52.94	− 2	18.34	+28	48.20	− 3	19.75	+ 4	2.13	− 8
28	28.76	+ 7	53.25	+ 2	19.22	+25	48.48	+ 3	20.07	+ 6	2.19	− 3
29	28.96	+ 4	53.57	+ 5	20.08	+15	48.76	+ 6	20.38	+ 7	2.25	+ 2
30	29.16	0	53.89	+ 7	20.93	+ 2	49.05	+ 8	20.70	+ 5	2.31	+ 6
31	29.35	− 4	54.22	+ 8	21.76	−13	49.34	+ 8	21.01	+ 2	2.38	+ 9
Sept. 1	29.53	− 7	54.55	+ 6	22.59	−25	49.63	+ 7	21.32	− 1	2.45	+10
2	29.72	− 9	54.88	+ 2	23.41	−31	49.92	+ 4	21.63	− 4	2.53	+ 9
3	29.90	− 8	55.21	− 1	24.21	−29	50.22	0	21.95	− 6	2.62	+ 5
4	30.08	− 6	55.55	− 4	25.00	−20	50.53	− 3	22.26	− 6	2.70	+ 1
5	30.25	− 1	55.89	− 6	25.78	− 5	50.84	− 6	22.57	− 4	2.79	− 4
6	30.42	+ 3	56.23	− 5	26.55	+10	51.15	− 6	22.88	− 1	2.89	− 7
7	30.59	+ 7	56.57	− 3	27.30	+24	51.45	− 5	23.19	+ 2	2.99	− 8
8	30.75	+ 9	56.92	0	28.05	+33	51.77	− 2	23.50	+ 6	3.09	− 7
9	30.91	+10	57.27	+ 3	28.78	+36	52.09	+ 1	23.81	+ 9	3.20	− 5
10	31.06	+ 9	57.61	+ 6	29.50	+32	52.41	+ 6	24.11	+10	3.31	− 1
11	31.21	+ 6	57.96	+ 8	30.20	+23	52.74	+ 9	24.42	+ 9	3.43	+ 3
12	31.36	+ 3	58.32	+ 9	30.89	+10	53.07	+10	24.73	+ 8	3.55	+ 6
13	31.50	− 1	58.67	+ 9	31.58	− 3	53.40	+10	25.03	+ 5	3.68	+ 8
14	31.64	− 4	59.03	+ 7	32.24	−15	53.73	+ 8	25.34	+ 1	3.82	+ 8
15	31.77	− 7	59.39	+ 4	32.89	−24	54.07	+ 6	25.64	− 3	3.96	+ 8
16	31.90	− 8	59.75	0	33.53	−30	54.40	+ 2	25.94	− 6	4.10	+ 6
sec δ, tg δ	13.70		+13.67		88° 51′ 40″		50.312	+50.302	12.29		+12.25	
					50		50.435	+50.425				

1917	51 Hev. Cephei $5^m.2$				1 Hev. Draconis $4^m.3$				ε Ursae minoris $4^m.2$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$7^h\ 2^m$	in 0.01 s	+87° 10′	in 0.01 ″	$9^h\ 25^m$	in 0.01 s	+81° 41′	in 0.01 ″	$16^h\ 54^m$	in 0.01 s	+82° 10′	in 0.01 ″
	s		″		s		″		s		″	
Aug. 10	10.36	− 7	41.19	− 7	21.75	− 4	30.40	0	24.27	+ 1	43.90	+ 7
11	10.70	− 3	40.91	−10	21.77	− 4	30.04	− 3	24.10	− 1	44.02	+ 8
12	11.05	+ 3	40.64	−10	21.80 21.83	− 3 − 1	29.69 29.35	− 7 − 9	23.94	− 2	44.14	+ 8
13	11.40	+ 8	40.38	− 9	21.86	+ 1	29.00	−10	23.77	− 3	44.25	+ 7
14	11.76	+12	40.12	− 6	21.89	+ 3	28.65	− 9	23.61	− 3	44.36	+ 4
15	12.12	+13	39.87	− 3	21.93	+ 4	28.29	− 7	23.44	− 3	44.45	+ 1
16	12.49	+13	39.62	+ 1	21.96	+ 5	27.94	− 4	23.27	− 3	44.54	− 3
17	12.86	+10	39.37	+ 4	22.00	+ 5	27.59	0	23.10	− 2	44.63	− 6
18	13.24	+ 6	39.12	+ 7	22.05	+ 4	27.24	+ 3	22.93	0	44.71	− 8
19	13.62	+ 1	38.86	+ 8	22.09	+ 2	26.89	+ 6	22.76	+ 1	44.78	− 8
20	14.01	− 5	38.61	+ 9	22.14	0	26.53	+ 9	22.58	+ 2	44.85	− 7
21	14.41	−11	38.37	+ 8	22.19	− 2	26.18	+10	22.41	+ 3	44.92	− 5
22	14.80	−15	38.13	+ 5	22.24	− 4	25.83	+10	22.23	+ 4	44.98	− 1
23	15.20	−17	37.90	+ 2	22.29	− 6	25.49	+ 7	22.06	+ 4	45.04	+ 3
24	15.61	−17	37.68	− 2	22.34	− 7	25.15	+ 4	21.88	+ 3	45.09	+ 7
25	16.02	−13	37.46	− 6	22.40	− 6	24.80	0	21.71	+ 2	45.14	+ 9
26	16.44	− 8	37.24	− 9	22.46	− 5	24.45	− 4	21.53	+ 1	45.18	+10
27	16.86	− 1	37.02	− 9	22.52	− 2	24.11	− 6	21.36	− 1	45.22	+ 9
28	17.28	+ 5	36.80	− 6	22.58	+ 1	23.76	− 7	21.18	− 2	45.25	+ 6
29	17.71	+10	36.58	− 3	22.65	+ 3	23.41	− 6	21.00	− 2	45.28	+ 2
30	18.15	+12	36.37	+ 1	22.72	+ 5	23.07	− 3	20.82	− 2	45.30	− 3
31	18.58	+11	36.17	+ 5	22.79	+ 5	22.72	+ 1	20.64	− 1	45.32	− 8
Sept. 1	19.02	+ 7	35.96	+ 9	22.86	+ 5	22.38	+ 4	20.46	0	45.33	−10
2	19.47	+ 2	35.76	+ 9	22.93	+ 3	22.04	+ 7	20.28	+ 1	45.34	− 9
3	19.92	− 4	35.56	+ 8	23.01	0	21.70	+ 8	20.10	+ 2	45.34	− 7
4	20.37	− 8	35.38	+ 5	23.09	− 2	21.36	+ 6	19.92	+ 2	45.33	− 3
5	20.83	− 9	35.20	0	23.17	− 3	21.02	+ 3	19.74	+ 2	45.33	+ 1
6	21.29	− 8	35.02	− 5	23.25	− 4	20.68	− 1	19.56	+ 1	45.32	+ 6
7	21.75	− 4	34.85	− 9	23.34	− 3	20.35	− 6	19.38	0	45.30	+ 8
8	22.22	+ 1	34.67	−11	23.42	− 2	20.01	− 9	19.20	− 2	45.28	+ 8
9	22.69	+ 6	34.49	−10	23.51	0	19.68	−10	19.02	− 3	45.25	+ 7
10	23.16	+11	34.32	− 8	23.60	+ 2	19.36	−10	18.83	− 4	45.22	+ 5
11	23.64	+13	34.16	− 5	23.69	+ 4	19.03	− 9	18.65	− 4	45.18	+ 1
12	24.12	+14	34.00	− 1	23.78	+ 5	18.70	− 6	18.47	− 3	45.14	− 2
13	24.60	+12	33.84	+ 3	23.88	+ 5	18.38	− 2	18.29	− 2	45.09	− 5
14	25.09	+ 9	33.69	+ 6	23.98	+ 4	18.06	+ 2	18.11	− 1	45.04	− 7
15	25.58	+ 4	33.54	+ 8	24.08	+ 3	17.73	+ 5	17.93	0	44.98	− 8
16	26.07	− 2	33.40	+ 9	24.18	+ 1	17.41	+ 8	17.75	+ 2	44.92	− 8
sec δ, tg δ	20.30		+20.28		6.92		+6.85		7.35		+7.28	

Scheinbare Sternörter 1917

1917	δ Ursae minoris $4^m.3$				λ Ursae minoris $6^m.8$				76 Draconis $6^m.0$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$17^h 58^m$ s	in s 0.01	+86° 37′ ″	in ″ 0.01	$19^h 1^m$ s	in s 0.01	+89° 1′ ″	in ″ 0.01	$20^h 48^m$ s	in s 0.01	+82° 13′ ″	in ″ 0.01
Aug. 10	57.95	+ 4	4.09	+ 6	94.89	+21	15.81	+ 5	45.68	+ 3	43.75	+ 1
11	57.61	+ 1	4.30	+ 9	93.95	+13	16.08	+ 8	45.64	+ 3	44.11	+ 6
12	57.27	− 2	4.50	+10	92.99	+ 1	16.36	+10	45.60	+ 3	44.47	+10
13	56.92	− 6	4.69	+ 8	92.02	−12	16.63	+10	45.56	+ 1	44.84	+10
14	56.57	− 8	4.88	+ 6	91.03	−23	16.89	+ 7	45.51	0	45.20	+10
15	56.21	− 9	5.07	+ 2	90.02	−31	17.15	+ 4	45.46	− 1	45.56	+ 8
16	55.85	− 9	5.25	− 2	89.00	−33	17.41	0	45.41	− 2	45.92	+ 5
17	55.49	− 7	5.43	− 5	87.96	−30	17.67	− 3	45.36	− 3	46.27	0
18	55.13	− 4	5.61	− 8	86.91	−22	17.93	− 6	45.30	− 3	46.63	− 4
19	54.76	− 1	5.78	− 9	85.84	−10	18.19	− 8	45.24	− 3	46.99	− 7
20	54.38	+ 3	5.95	− 8	84.76	+ 4	18.44	− 9	45.18	− 2	47.35	− 9
21	54.01	+ 7	6.12	− 6	83.66	+18	18.69	− 8	45.12	− 1	47.70	− 9
22	53.63	+ 9	6.28	− 3	82.55	+31	18.94	− 5	45.05	+ 1	48.05	− 9
23	53.25	+11	6.44	− 1	81.42	+40	19.18	− 2	44.99	+ 2	48.40	− 8
24	52.86	+11	6.59	+ 3	80.28	+43	19.42	+ 1	44.92	+ 4	48.75	− 4
25	52.47	+ 9	6.73	+ 7	79.12	+39	19.65	+ 5	44.85	+ 4	49.09	0
26	52.08	+ 5	6.87	+ 9	77.95	+28	19.88	+ 8	44.77	+ 4	49.44	+ 4
27	51.69	+ 1	7.01	+ 9	76.77	+13	20.10	+ 9	44.69	+ 3	49.78	+ 7
28	51.30	− 3	7.14	+ 7	75.58	− 4	20.32	+ 7	44.61	+ 1	50.12	+ 7
29	50.90	− 6	7.26	+ 3	74.37	−20	20.54	+ 5	44.53	− 1	50.46	+ 6
30	50.50	− 7	7.38	− 2	73.15	−29	20.75	+ 1	44.45	− 2	50.80	+ 3
31	50.10	− 7	7.50	− 7	71.92	−31	20.97	− 4	44.36	− 4	51.14	− 1
Sept. 1	49.69	− 4	7.61	− 9	70.68	−25	21.18	− 8	44.27	− 4	51.47	− 5
2	49.29	− 1	7.72	−10	69.42	−13	21.38	−10	44.18	− 3	51.80	− 8
3	48.88	+ 3	7.82	− 9	68.15	+ 1	21.59	−10	44.08	− 2	52.12	− 8
4	48.47	+ 5	7.92	− 5	66.87	+14	21.78	− 7	43.99	0	52.44	− 7
5	48.05	+ 6	8.01	− 1	65.58	+21	21.97	− 2	43.89	+ 1	52.76	− 4
6	47.64	+ 5	8.10	+ 4	64.28	+22	22.17	+ 3	43.79	+ 2	53.08	+ 1
7	47.22	+ 2	8.19	+ 8	62.97	+16	22.36	+ 8	43.69	+ 3	53.40	+ 5
8	46.80	− 1	8.27	+10	61.65	+ 5	22.54	+10	43.58	+ 3	53.72	+ 9
9	46.39	− 5	8.35	+ 9	60.31	− 8	22.71	+10	43.48	+ 2	54.03	+11
10	45.97	− 8	8.43	+ 6	58.97	−21	22.88	+ 9	43.37	+ 1	54.34	+10
11	45.54	− 9	8.50	+ 3	57.62	−30	23.04	+ 6	43.26	− 1	54.64	+ 8
12	45.12	− 9	8.57	0	56.26	−34	23.19	+ 2	43.15	− 2	54.95	+ 5
13	44.69	− 8	8.63	− 3	54.89	−33	23.35	− 1	43.03	− 3	55.25	+ 2
14	44.27	− 6	8.68	− 6	53.51	−27	23.50	− 6	42.92	− 3	55.55	− 2
15	43.84	− 2	8.73	− 8	52.12	−17	23.65	− 8	42.80	− 3	55.84	− 5
16	43.41	+ 2	8.77	− 8	50.72	− 4	23.79	− 9	42.68	− 2	56.13	− 7
sec δ, tg δ	16.95		+16.92		89° 1′ 20″ 30	58.601 58.767	+58.592 +58.758		7.40		+7.33	

1917	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$0^h 57^m$ s	in s 0.01	$+85°48'$ "	in " 0.01	$1^h 31^m$ s	in s 0.01	$+88°51'$ "	in " 0.01	$4^h 10^m$ s	in s 0.01	$+85°20'$ "	in " 0.01
Sept. 16	31.90	− 8	59.75	0	33.53	−30	54.40	+ 2	25.94	− 6	4.10	+ 6
17	32.03	− 8	60.12	− 4	34.15	−30	54.73	− 3	26.24	− 8	4.25	+ 2
18	32.15	− 7	60.49	− 7	34.76	−26	55.07	− 7	26.54	− 9	4.39	− 2
19	32.27	− 5	60.86	−10	35.36	−17	55.42	−10	26.84	− 9	4.54	− 5
20	32.38	− 1	61.23	−11	35.95	− 5	55.77	−11	27.13	− 8	4.69	− 8
21	32.49	+ 3	61.60	−11	36.52	+ 9	56.13	−12	27.42	− 5	4.85	−10
22	32.60	+ 6	61.97	− 8	37.07	+20	56.48	−10	27.72	− 1	5.02	−10
23	32.70	+ 8	62.34	− 4	37.61	+26	56.84	− 6	28.01	+ 3	5.19	− 8
24	32.80	+ 7	62.71	0	38.14	+26	57.20	− 1	28.30	+ 5	5.37	− 4
25	32.89	+ 5	63.08	+ 4	38.65	+20	57.56	+ 4	28.58	+ 6	5.55	0
26	32.98	+ 2	63.46	+ 6	39.14	+ 7	57.91	+ 7	28.87	+ 6	5.73	+ 4
27	33.06	− 2	63.83	+ 7	39.62	− 8	58.27	+ 8	29.15	+ 3	5.92	+ 8
28	33.14	− 6	64.21	+ 6	40.09	−22	58.63	+ 7	29.43	0	6.11	+10
29	33.22	− 8	64.59	+ 3	40.54	−30	59.00	+ 5	29.71	− 4	6.31	+ 9
30	33.29	− 9	64.97	− 1	40.97	−31	59.36	+ 1	29.99	− 6	6.51	+ 6
Okt. 1	33.36	− 7	65.35	− 4	41.39	−25	59.73	− 4	30.26	− 7	6.72	+ 1
2	33.42	− 3	65.74	− 6	41.79	−12	60.09	− 7	30.54	− 6	6.93	− 3
3	33.48	+ 1	66.12	− 6	42.18	+ 4	60.46	− 7	30.81	− 3	7.14	− 6
4	33.53	+ 5	66.49	− 5	42.55	+19	60.83	− 6	31.08	+ 1	7.35	− 7
5	33.58	+ 9	66.87	− 1	42.91	+30	61.20	− 3	31.34	+ 5	7.57	− 8
6	33.62	+10	67.25	+ 2	43.25	+35	61.57	0	31.61	+ 8	7.79	− 6
7	33.66	+ 9	67.63	+ 5	43.57	+34	61.94	+ 4	31.87	+10	8.02	− 3
8	33.70	+ 7	68.01	+ 8	43.88	+27	62.32	+ 7	32.13	+10	8.24	0
9	33.73	+ 4	68.40	+10	44.17	+16	62.69	+ 9	32.38	+ 9	8.47	+ 4
10	33.76	0	68.79	+ 9	44.44	+ 2	63.07	+ 9	32.64	+ 6	8.70	+ 7
11	33.78	− 3	69.17	+ 8	44.70	−10	63.45	+ 9	32.89	+ 3	8.94	+ 8
12	33.80	− 6	69.54	+ 5	44.94	−21	63.83	+ 6	33.13	− 1	9.18	+ 8
13	33.82	− 8	69.92	+ 2	45.17	−28	64.21	+ 2	33.38	− 4	9.43	+ 7
14	33.83	− 8	70.31	− 2	45.38	−30	64.59	− 1	33.62	− 7	9.69	+ 5
15	33.83	− 7	70.69	− 6	45.57	−28	64.97	− 5	33.86	− 9	9.95	+ 2
16	33.83	− 5	71.06	− 9	45.74	−20	65.35	− 8	34.10	− 9	10.21	− 2
17	33.82	− 2	71.44	−11	45.90	− 9	65.73	−11	34.33	− 8	10.47	− 7
18	33.81	+ 1	71.82	−10	46.04	+ 4	66.11	−11	34.56	− 5	10.73	− 9
19	33.80	+ 5	72.20	− 8	46.16	+16	66.50	− 9	34.79	− 2	10.99	−10
20	33.78	+ 7	72.58	− 4	46.27	+25	66.88	− 6	35.02	+ 2	11.25	− 9
21	33.76	+ 8	72.95	0	46.36	+28	67.25	− 1	35.24	+ 5	11.52	− 6
22	33.73	+ 7	73.33	+ 4	46.43	+24	67.62	+ 3	35.45	+ 6	11.80	− 2
23	33.70	+ 3	73.70	+ 7	46.48	+13	68.00	+ 7	35.67	+ 6	12.07	+ 2
sec δ, tg δ	13.71		+13.68		88°51'50" 60	50.435 50.558	+50.425 +50.548		12.29		+12.26	

1917	51 Hev. Cephei 5ᵐ.2				1 Hev. Draconis 4ᵐ.3				ε Ursae minoris 4ᵐ.2			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$7^h\ 2^m$	in s 0.01	+87° 10′	in ″ 0.01	$9^h\ 25^m$	in s 0.01	+81° 41′	in ″ 0.01	$16^h\ 54^m$	in s 0.01	+82° 10′	in ″ 0.01
Sept. 16	26.07	− 2	33.40	+ 9	24.18	+ 1	17.41	+ 8	17.75	+ 2	44.92	− 8
17	26.56	− 7	33.26	+ 8	24.29	− 1	17.09	+ 9	17.57	+ 3	44.85	− 6
18	27.06	−12	33.13	+ 6	24.39	− 3	16.77	+ 9	17.39	+ 3	44.77	− 3
19	27.56	−16	33.00	+ 3	24.50	− 5	16.46	+ 7	17.21	+ 3	44.69	+ 1
20	28.06	−16	32.88	− 1	24.61	− 6	16.15	+ 5	17.04	+ 3	44.61	+ 5
21	28.56	−14	32.76	− 5	24.72	− 6	15.84	+ 1	16.86	+ 2	44.52	+ 9
22	29.07	−10	32.65	− 8	24.83	− 5	15.53	− 3	16.68	+ 1	44.43	+11
23	29.58	− 4	32.54	− 9	24.95	− 3	15.23	− 6	16.50	0	44.33	+10
24	30.09	+ 3	32.43	− 7	25.07	− 1	14.93	− 7	16.33	− 2	44.22	+ 7
25	30.60	+ 8	32.33	− 4	25.18	+ 2	14.64	− 6	16.15	− 2	44.11	+ 3
26	31.11	+11	32.24	0	25.30	+ 4	14.34	− 4	15.98	− 2	44.00	− 2
27	31.63	+11	32.15	+ 4	25.43	+ 5	14.04	− 1	15.80	− 2	43.89	− 6
28	32.14	+ 8	32.06	+ 8	25.55	+ 5	13.74	+ 3	15.62	− 1	43.76	− 9
29	32.66	+ 3	31.98	+ 9	25.67	+ 3	13.45	+ 6	15.45	+ 1	43.63	−10
30	33.18	− 3	31.90	+ 9	25.80	+ 1	13.17	+ 7	15.28	+ 2	43.49	− 8
Okt. 1	33.70	− 7	31.82	+ 6	25.93	− 1	12.89	+ 7	15.11	+ 3	43.35	− 4
2	34.22	− 9	31.74	+ 2	26.06	− 3	12.61	+ 5	14.94	+ 3	43.21	0
3	34.74	− 9	31.67	− 2	26.19	− 4	12.33	0	14.77	+ 2	43.07	+ 4
4	35.26	− 6	31.61	− 7	26.32	− 4	12.06	− 4	14.60	0	42.92	+ 8
5	35.79	− 1	31.56	−10	26.46	− 3	11.80	− 8	14.43	− 1	42.76	+ 9
6	36.31	+ 4	31.51	−10	26.59	− 1	11.53	−10	14.27	− 2	42.60	+ 9
7	36.84	+10	31.46	− 9	26.73	+ 2	11.27	−11	14.10	− 3	42.44	+ 6
8	37.36	+13	31.42	− 6	26.87	+ 3	11.01	− 9	13.94	− 4	42.27	+ 2
9	37.89	+14	31.38	− 2	27.01	+ 5	10.75	− 7	13.77	− 3	42.09	− 2
10	38.41	+13	31.35	+ 2	27.15	+ 5	10.50	− 4	13.61	− 3	41.91	− 5
11	38.94	+10	31.33	+ 5	27.30	+ 5	10.25	0	13.45	− 2	41.73	− 8
12	39.47	+ 6	31.31	+ 7	27.44	+ 4	10.01	+ 4	13.29	0	41.54	− 9
13	40.00	+ 1	31.29	+ 8	27.59	+ 2	9.77	+ 7	13.13	+ 1	41.34	− 9
14	40.52	− 5	31.27	+ 8	27.74	0	9.53	+ 9	12.98	+ 2	41.14	− 7
15	41.04	−10	31.26	+ 7	27.89	− 2	9.30	+ 9	12.82	+ 3	40.94	− 4
16	41.57	−14	31.26	+ 5	28.04	− 4	9.07	+ 8	12.67	+ 3	40.74	0
17	42.10	−16	31.27	0	28.19	− 6	8.85	+ 6	12.52	+ 3	40.53	+ 4
18	42.62	−15	31.28	− 4	28.34	− 6	8.63	+ 3	12.37	+ 2	40.31	+ 8
19	43.14	−11	31.29	− 6	28.50	− 5	8.42	− 1	12.22	+ 1	40.09	+10
20	43.67	− 6	31.31	− 8	28.65	− 4	8.21	− 4	12.07	0	39.86	+10
21	44.19	+ 1	31.33	− 8	28.80	− 2	8.00	− 6	11.93	− 1	39.64	+ 9
22	44.71	+ 6	31.36	− 6	28.96	+ 1	7.79	− 7	11.78	− 2	39.41	+ 6
23	45.23	+10	31.39	− 2	29.12	+ 3	7.59	− 5	11.64	− 2	39.17	+ 1
sec δ, tg δ	20.29		+20.27		6.92		+6.84		7.35		+7.28	

1917	δ Ursae minoris $4^m.3$				λ Ursae minoris $6^m.8$				76 Draconis $6^m.0$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$17^h 58^m$	in 0.01^s	+86° 37'	in 0.01"	$19^h 0^m$	in 0.01^s	+89° 1'	in 0.01"	$20^h 48^m$	in 0.01^s	+82° 13'	in 0.01"
Sept. 16	43.41	+ 2	8.77	− 8	110.72	− 4	23.79	− 9	42.68	− 2	56.13	− 7
17	42.98	+ 5	8.80	− 8	109.32	+11	23.93	− 8	42.56	− 1	56.41	− 9
18	42.55	+ 8	8.83	− 5	107.91	+25	24.07	− 6	42.43	0	56.69	− 9
19	42.12	+10	8.86	− 2	106.49	+35	24.21	− 4	42.31	+ 2	56.96	− 8
20	41.69	+10	8.89	+ 2	105.07	+41	24.34	0	42.18	+ 3	57.24	− 5
21	41.26	+ 9	8.91	+ 7	103.64	+40	24.46	+ 4	42.05	+ 4	57.51	− 1
22	40.83	+ 6	8.92	+ 9	102.20	+32	24.57	+ 7	41.92	+ 4	57.78	+ 3
23	40.40	+ 2	8.93	+10	100.76	+19	24.68	+ 9	41.79	+ 3	58.04	+ 6
24	39.97	− 1	8.93	+ 8	99.31	+ 3	24.79	+ 9	41.65	+ 2	58.30	+ 7
25	39.53	− 5	8.93	+ 5	97.85	−13	24.89	+ 6	41.52	0	58.55	+ 7
26	39.10	− 7	8.92	0	96.39	−24	24.99	+ 2	41.38	− 2	58.81	+ 5
27	38.67	− 7	8.91	− 4	94.93	−29	25.08	− 3	41.24	− 3	59.06	+ 1
28	38.24	− 5	8.90	− 8	93.46	−25	25.17	− 8	41.10	− 4	59.31	− 3
29	37.81	− 1	8.87	−10	91.98	−15	25.25	−10	40.96	− 4	59.55	− 8
30	37.38	+ 2	8.84	−10	90.51	− 2	25.33	−11	40.82	− 3	59.79	− 9
Okt. 1	36.95	+ 5	8.81	− 7	89.03	+12	25.41	− 8	40.67	− 1	60.03	− 8
2	36.52	+ 7	8.77	− 2	87.54	+22	25.48	− 4	40.53	+ 1	60.25	− 6
3	36.09	+ 6	8.72	+ 3	86.06	+25	25.54	+ 1	40.38	+ 2	60.48	− 2
4	35.66	+ 3	8.67	+ 6	84.57	+21	25.60	+ 6	40.23	+ 3	60.70	+ 2
5	35.23	0	8.62	+ 9	83.07	+11	25.65	+ 9	40.08	+ 3	60.91	+ 8
6	34.81	− 3	8.56	+10	81.58	− 3	25.70	+10	39.93	+ 2	61.12	+10
7	34.38	− 7	8.49	+ 8	80.09	−17	25.74	+10	39.78	+ 1	61.33	+10
8	33.96	− 9	8.42	+ 5	78.59	−28	25.78	+ 7	39.62	0	61.53	+ 9
9	33.53	−10	8.35	+ 1	77.09	−35	25.81	+ 3	39.47	− 2	61.73	+ 8
10	33.11	− 9	8.28	− 2	75.59	−36	25.84	0	39.31	− 3	61.93	+ 5
11	32.69	− 7	8.20	− 5	74.09	−31	25.86	− 4	39.15	− 3	62.12	+ 1
12	32.28	− 4	8.12	− 8	72.60	−22	25.88	− 7	38.99	− 3	62.31	− 3
13	31.86	− 1	8.03	− 9	71.10	−10	25.90	− 8	38.83	− 3	62.49	− 7
14	31.45	+ 3	7.94	− 9	69.60	+ 4	25.91	− 8	38.67	− 2	62.66	− 9
15	31.03	+ 7	7.84	− 6	68.10	+18	25.90	− 7	38.51	0	62.83	− 9
16	30.62	+ 9	7.73	− 3	66.60	+30	25.90	− 5	38.35	+ 1	62.99	− 7
17	30.21	+10	7.62	+ 1	65.11	+38	25.90	− 2	38.19	+ 3	63.15	− 6
18	29.81	+ 9	7.50	+ 5	63.62	+39	25.89	+ 2	38.02	+ 4	63.30	− 3
19	29.40	+ 7	7.37	+ 8	62.13	+34	25.87	+ 6	37.86	+ 4	63.44	+ 1
20	29.00	+ 4	7.24	+ 9	60.64	+23	25.85	+ 8	37.69	+ 4	63.59	+ 5
21	28.60	0	7.11	+ 9	59.16	+ 7	25.82	+ 8	37.52	+ 3	63.73	+ 7
22	28.20	− 4	6.98	+ 6	57.68	− 9	25.79	+ 7	37.36	+ 1	63.87	+ 7
23	27.81	− 6	6.84	+ 2	56.20	−22	25.76	+ 4	37.19	− 1	63.99	+ 7
sec δ, tg δ	16.95		+16.92		89° 1' 20"	58.601	+58.592		7.40		+7.33	
					30	58.767	+58.758					

Scheinbare Sternörter 1917

1917	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$0^h 57^m$ s	in s 0.01	+85° 49′ ″	in ″ 0.01	$1^h 31^m$ s	in s 0.01	+88° 52′ ″	in ″ 0.01	$4^h 10^m$ s	in s 0.01	+85° 20′ ″	in ″ 0.01
Okt. 23	33.70	+ 3	13.70	+ 7	46.48	+13	8.00	+ 7	35.67	+ 6	12.07	+ 2
24	33.67	− 1	14.06	+ 8	46.52	− 2	8.38	+ 8	35.88	+ 4	12.35	+ 6
25	33.63	− 5	14.43	+ 7	46.54	−17	8.76	+ 8	36.09	+ 1	12.63	+ 9
26	33.58	− 8	14.80	+ 3	46.54	−28	9.13	+ 6	36.29	− 3	12.92	+10
27	33.53	− 9	15.16	0	46.53	−32	9.51	+ 2	36.49	− 6	13.21	+ 7
28	33.47	− 8	15.52	− 3	46.49	−29	9.89	− 2	36.69	− 8	13.50	+ 4
29	33.41	− 5	15.89	− 6	46.44	−19	10.27	− 6	36.88	− 7	13.79	− 1
30	33.35	− 1	16.25	− 8	46.37	− 4	10.65	− 7	37.07	− 5	14.09	− 5
31	33.28	+ 4	16.61	− 6	46.29	+12	11.02	− 7	37.26	− 1	14.39	− 7
Nov. 1	33.21	+ 7	16.96	− 3	46.18	+26	11.39	− 5	37.44	+ 3	14.69	− 8
2	33.13	+ 9	17.31	0	46.06	+34	11.76	− 1	37.62	+ 6	14.99	− 7
3	33.05	+10	17.66	+ 4	45.92	+35	12.13	+ 3	37.79	+ 9	15.29	− 4
4	32.96	+ 8	18.01	+ 8	45.76	+30	12.50	+ 7	37.96	+10	15.60	− 1
5	32.87	+ 5	18.35	+10	45.59	+20	12.86	+ 9	38.13	+ 9	15.91	+ 3
6	32.78	+ 2	18.70	+10	45.40	+ 7	13.22	+10	38.29	+ 7	16.22	+ 6
7	32.68	− 2	19.05	+ 8	45.19	− 6	13.58	+ 9	38.45	+ 4	16.53	+ 8
8	32.58	− 5	19.39	+ 6	44.96	−17	13.95	+ 7	38.60	0	16.84	+ 9
9	32.47	− 7	19.73	+ 2	44.71	−26	14.31	+ 3	38.75	− 3	17.16	+ 8
10	32.35	− 8	20.06	− 2	44.45	−30	14.67	0	38.90	− 6	17.48	+ 6
11	32.24	− 8	20.39	− 5	44.17	−29	15.02	− 4	39.04	− 8	17.80	+ 2
12	32.12	− 6	20.72	− 8	43.87	−23	15.37	− 8	39.17	− 9	18.12	− 2
13	31.99	− 3	21.05	−10	43.55	−13	15.72	−10	39.31	− 8	18.44	− 6
14	31.86	0	21.37	−10	43.22	0	16.07	−11	39.44	− 6	18.76	− 8
15	31.73	+ 4	21.69	− 9	42.87	+13	16.41	−10	39.56	− 3	19.09	−10
16	31.59	+ 7	22.00	− 5	42.50	+23	16.75	− 7	39.68	+ 1	19.43	− 9
17	31.44	+ 8	22.32	− 2	42.11	+28	17.09	− 3	39.80	+ 4	19.76	− 8
18	31.29	+ 7	22.63	+ 2	41.71	+27	17.43	+ 1	39.91	+ 6	20.09	− 4
19	31.14	+ 5	22.94	+ 6	41.28	+19	17.77	+ 5	40.01	+ 7	20.42	+ 1
20	30.99	+ 1	23.24	+ 8	40.85	+ 5	18.10	+ 7	40.11	+ 6	20.74	+ 5
21	30.83	− 3	23.54	+ 8	40.39	−10	18.43	+ 8	40.21	+ 3	21.07	+ 8
22	30.66	− 7	23.84	+ 5	39.92	−23	18.76	+ 7	40.30	− 1	21.40	+ 9
23	30.50	− 9	24.13	+ 1	39.43	−31	19.08	+ 3	40.39	− 4	21.74	+ 8
24	30.33	− 9	24.41	− 2	38.93	−31	19.39	− 1	40.47	− 7	22.08	+ 5
25	30.15	− 7	24.69	− 6	38.41	−24	19.71	− 5	40.55	− 8	22.42	+ 1
26	29.97	− 3	24.97	− 7	37.87	−11	20.02	− 7	40.62	− 6	22.76	− 3
27	29.79	+ 2	25.24	− 7	37.31	+ 5	20.33	− 8	40.69	− 3	23.09	− 7
28	29.60	+ 6	25.51	− 6	36.74	+20	20.63	− 6	40.75	+ 1	23.42	− 8
29	29.41	+ 9	25.77	− 2	36.15	+30	20.93	− 3	40.81	+ 5	23.75	− 7
sec δ, tg δ	13.72		+13.69		88° 52′ 10″ 20		50.683 50.808	+50.673 +50.798	12.30		+12.26	

1917	51 Hev. Cephei 5ᵐ.2				1 Hev. Draconis 4ᵐ.3				ε Ursae minoris 4ᵐ.2			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$7^h 2^m$	in ^{s} 0.01	+87° 10′	in $''$ 0.01	$9^h 25^m$	in ^{s} 0.01	+81° 41′	in $''$ 0.01	$16^h 54^m$	in ^{s} 0.01	+82° 10′	in $''$ 0.01
Okt. 23	45.23	+10	31.39	− 2	29.12	+ 3	7.59	− 5	11.64	− 2	39.17	+ 1
24	45.74	+11	31.43	+ 3	29.28	+ 5	7.40	− 2	11.50	− 2	38.93	− 5
25	46.26	+ 9	31.47	+ 7	29.44	+ 5	7.21	+ 2	11.36	− 1	38.69	− 8
26	46.77	+ 5	31.52	+ 9	29.60	+ 4	7.02	+ 6	11.23	0	38.44	− 9
27	47.29	− 1	31.57	+10	29.77	+ 2	6.83	+ 7	11.09	+ 2	38.18	− 9
28	47.80	− 7	31.63	+ 8	29.93	− 1	6.65	+ 8	10.96	+ 2	37.92	− 7
29	48.31	−10	31.69	+ 5	30.09	− 3	6.47	+ 7	10.83	+ 3	37.66	− 3
30	48.82	−11	31.76	− 1	30.26	− 4	6.30	+ 3	10.71	+ 2	37.40	+ 3
31	49.32	− 8	31.83	− 6	30.43	− 4	6.14	− 1	10.58	+ 1	37.13	+ 7
Nov. 1	49.82	− 4	31.90	− 9	30.59	− 3	5.99	− 6	10.46	0	36.86	+ 9
2	50.32	+ 2	31.99	−10	30.76	− 2	5.83	− 9	10.34	− 2	36.59	+ 9
3	50.82	+ 7	32.08	− 9	30.93	+ 1	5.68	−10	10.22	− 3	36.31	+ 7
4	51.32	+12	32.17	− 6	31.10	+ 3	5.54	−10	10.10	− 4	36.03	+ 5
5	51.81	+14	32.27	− 3	31.27	+ 4	5.40	− 8	9.99	− 3	35.74	+ 1
6	52.30	+14	32.37	+ 1	31.44	+ 5	5.26	− 5	9.87	− 3	35.46	− 4
7	52.78	+12	32.47	+ 4	31.61	+ 5	5.13	− 1	9.76	− 2	35.17	− 7
8	53.27	+ 8	32.58	+ 6	31.78	+ 4	5.01	+ 3	9.66	− 1	34.88	− 8
9	53.75	+ 3	32.69	+ 8	31.95	+ 3	4.89	+ 6	9.55	+ 1	34.58	− 8
10	54.22	− 3	32.81	+ 9	32.12	+ 1	4.78	+ 9	9.45	+ 2	34.27	− 8
11	54.69	− 8	32.94	+ 8	32.29	− 1	4.67	+10	9.35	+ 3	33.97	− 6
12	55.16	−12	33.07	+ 5	32.47	− 3	4.57	+ 9	9.25	+ 3	33.66	− 2
13	55.63	−15	33.20	+ 2	32.64	− 5	4.48	+ 7	9.15	+ 3	33.36	+ 3
14	56.09	−15	33.34	− 2	32.82	− 6	4.39	+ 3	9.06	+ 3	33.05	+ 6
15	56.54	−12	33.49	− 5	32.99	− 6	4.30	− 1	8.97	+ 2	32.73	+ 9
16	57.00	− 7	33.64	− 8	33.16	− 4	4.22	− 4	8.88	0	32.40	+11
17	57.45	− 1	33.79	− 8	33.34	− 2	4.14	− 6	8.80	− 1	32.07	+ 9
18	57.90	+ 5	33.95	− 7	33.51	0	4.07	− 7	8.72	− 2	31.74	+ 6
19	58.33	+10	34.11	− 4	33.69	+ 3	4.01	− 6	8.64	− 3	31.41	+ 2
20	58.77	+12	34.27	0	33.86	+ 4	3.95	− 4	8.56	− 2	31.08	− 2
21	59.20	+11	34.44	+ 4	34.04	+ 5	3.90	0	8.49	− 2	30.75	− 7
22	59.62	+ 7	34.62	+ 8	34.21	+ 5	3.85	+ 4	8.42	0	30.42	−10
23	60.04	+ 1	34.81	+ 9	34.38	+ 3	3.80	+ 7	8.35	+ 1	30.09	−10
24	60.46	− 4	35.00	+ 9	34.56	0	3.76	+ 9	8.28	+ 2	29.76	− 9
25	60.87	− 9	35.19	+ 6	34.73	− 2	3.73	+ 8	8.22	+ 3	29.43	− 4
26	61.27	−11	35.39	+ 1	34.90	− 4	3.70	+ 5	8.16	+ 3	29.10	+ 1
27	61.67	−10	35.58	− 3	35.08	− 5	3.67	+ 1	8.11	+ 2	28.76	+ 5
28	62.07	− 7	35.78	− 7	35.25	− 4	3.65	− 4	8.05	+ 1	28.42	+ 9
29	62.45	− 1	35.98	− 9	35.42	− 3	3.64	− 7	8.00	− 1	28.08	+10
sec δ, tg δ	20.30		+20.27		6.91		+6.84		7.35		+7.28	

1917	δ Ursae minoris 4ᵐ.3				λ Ursae minoris 6ᵐ.8				76 Draconis 6ᵐ.0			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	17^h58^m	in 0.01^s	+86° 36′	in 0.01″	19^h0^m	in 0.01^s	+89° 1′	in 0.01″	20^h48^m	in 0.01^s	+82° 14′	in 0.01″
Okt. 23	27.81	− 6	66.84	+ 2	56.20	−22	25.76	+ 4	37.19	− 1	3.99	+ 7
24	27.42	− 7	66.69	− 3	54.73	−28	25.72	0	37.02	− 2	4.12	+ 3
25	27.03	− 6	66.54	− 7	53.26	−27	25.67	− 6	36.85	− 3	4.24	− 2
26	26.64	− 3	66.39	−10	51.80	−19	25.62	−10	36.69	− 4	4.35	− 7
27	26.26	+ 1	66.23	−10	50.35	− 6	25.56	−11	36.52	− 3	4.46	−10
28	25.88	+ 5	66.07	− 8	48.90	+ 9	25.50	− 9	36.35	− 1	4.56	− 9
29	25.50	+ 7	65.90	− 4	47.45	+21	25.43	− 6	36.18	0	4.66	− 8
30	25.13	+ 7	65.72	+ 1	46.01	+27	25.35	− 1	36.01	+ 2	4.75	− 4
31	24.76	+ 6	65.54	+ 5	44.58	+25	25.27	+ 4	35.83	+ 3	4.84	+ 1
Nov. 1	24.40	+ 3	65.36	+ 9	43.16	+17	25.19	+ 8	35.66	+ 3	4.91	+ 5
2	24.04	− 1	65.18	+11	41.75	+ 4	25.10	+10	35.49	+ 3	4.99	+10
3	23.68	− 5	64.99	+ 9	40.34	−11	25.00	+10	35.32	+ 2	5.06	+10
4	23.32	− 8	64.79	+ 6	38.94	−24	24.90	+ 8	35.15	0	5.13	+10
5	22.97	−10	64.59	+ 3	37.55	−32	24.79	+ 5	34.98	− 1	5.19	+ 9
6	22.63	−10	64.39	− 1	36.17	−36	24.69	+ 1	34.80	− 2	5.24	+ 6
7	22.29	− 8	64.18	− 4	34.79	−34	24.58	− 3	34.63	− 3	5.29	+ 2
8	21.95	− 5	63.97	− 7	33.42	−26	24.46	− 6	34.46	− 3	5.33	− 4
9	21.61	− 2	63.75	− 9	32.06	−15	24.34	− 8	34.29	− 3	5.36	− 7
10	21.28	+ 2	63.53	− 9	30.72	− 1	24.20	− 9	34.12	− 2	5.39	− 8
11	20.96	+ 5	63.31	− 7	29.39	+13	24.07	− 9	33.95	− 1	5.42	− 8
12	20.64	+ 8	63.09	− 4	28.07	+25	23.93	− 6	33.77	+ 1	5.44	− 8
13	20.32	+10	62.85	0	26.76	+34	23.79	− 2	33.60	+ 2	5.45	− 8
14	20.01	+10	62.61	+ 4	25.46	+38	23.64	+ 1	33.43	+ 3	5.46	− 5
15	19.71	+ 8	62.37	+ 8	24.17	+35	23.48	+ 4	33.26	+ 4	5.46	0
16	19.41	+ 5	62.12	+ 9	22.90	+26	23.33	+ 8	33.09	+ 4	5.45	+ 4
17	19.11	+ 1	61.87	+10	21.64	+12	23.17	+ 9	32.92	+ 3	5.45	+ 8
18	18.82	− 3	61.61	+ 8	20.39	− 4	23.00	+ 8	32.75	+ 2	5.43	+ 7
19	18.54	− 6	61.36	+ 4	19.16	−19	22.82	+ 5	32.59	0	5.40	+ 7
20	18.26	− 8	61.10	0	17.94	−28	22.65	+ 1	32.42	− 2	5.37	+ 5
21	17.98	− 7	60.84	− 6	16.73	−30	22.47	− 3	32.25	− 3	5.33	+ 1
22	17.71	− 4	60.58	− 9	15.54	−25	22.29	− 7	32.09	− 4	5.29	− 4
23	17.45	− 1	60.31	−11	14.37	−13	22.10	− 9	31.92	− 3	5.25	− 9
24	17.19	+ 3	60.03	−10	13.21	+ 3	21.91	−10	31.75	− 2	5.20	− 9
25	16.94	+ 6	59.76	− 6	12.06	+17	21.71	− 8	31.59	0	5.14	− 9
26	16.70	+ 8	59.48	− 2	10.93	+26	21.50	− 4	31.43	+ 1	5.07	− 6
27	16.46	+ 7	59.20	+ 3	9.82	+28	21.28	+ 1	31.27	+ 3	4.99	− 1
28	16.22	+ 4	58.91	+ 7	8.73	+22	21.07	+ 6	31.11	+ 3	4.90	+ 3
29	15.99	+ 1	58.62	+10	7.65	+12	20.85	+ 9	30.95	+ 3	4.82	+ 7
sec δ, tg δ	16.95		+16.92		89° 1′ 20″ 30	58.601 58.767	+58.592 +58.758		7.40		+7.33	

1917	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$0^h 57^m$	in 0.01^s	+85° 49′	in 0.01″	$1^h 31^m$	in 0.01^s	+88° 52′	in 0.01″	$4^h 10^m$	in 0.01^s	+85° 20′	in 0.01″
Nov. 29	29.41	+ 9	25.77	− 2	36.15	+30	20.93	− 3	40.81	+ 5	23.75	− 7
30	29.22	+10	26.03	+ 3	35.55	+35	21.23	+ 2	40.86	+ 8	24.07	− 6
Dez. 1	29.02	+ 9	26.29	+ 6	34.93	+32	21.52	+ 6	40.91	+ 9	24.40	− 2
2	28.82	+ 7	26.54	+ 8	34.30	+24	21.81	+ 8	40.95	+ 9	24.74	+ 2
3	28.62	+ 3	26.78	+ 9	33.65	+12	22.09	+ 9	40.99	+ 8	25.08	+ 5
4	28.41	− 1	27.02	+ 9	32.98	− 1	22.37	+10	41.03	+ 5	25.42	+ 7
5	28.19	− 4	27.25	+ 8	32.30	−14	22.65	+ 8	41.06	+ 2	25.75	+ 8
6	27.98	− 7	27.49	+ 5	31.61	−23	22.93	+ 5	41.08	− 2	26.09	+ 8
7	27.76	− 8	27.72	+ 1	30.90	−29	23.20	+ 1	41.10	− 5	26.42	+ 6
8	27.54	− 8	27.94	− 3	30.17	−30	23.46	− 4	41.11	− 7	26.75	+ 3
9	27.32	− 7	28.16	− 6	29.43	−26	23.72	− 7	41.12	− 9	27.08	− 1
10	27.09	− 5	28.37	− 9	28.68	−17	23.97	−10	41.12	− 9	27.40	− 5
11	26.86	− 2	28.57	−10	27.91	− 6	24.22	−11	41.12	− 7	27.73	− 8
12	26.62	+ 2	28.77	−10	27.13	+ 7	24.47	−10	41.11	− 5	28.06	−10
13	26.39	+ 6	28.97	− 8	26.34	+19	24.71	− 8	41.10	− 1	28.39	−10
14	26.15	+ 8	29.17	− 4	25.53	+27	24.95	− 5	41.08	+ 3	28.71	− 8
15	25.91	+ 8	29.35	0	24.71	+28	25.18	− 1	41.06	+ 6	29.04	− 4
16	25.66	+ 6	29.52	+ 4	23.88	+23	25.41	+ 4	41.03	+ 7	29.37	0
17	25.41	+ 3	29.69	+ 7	23.03	+12	25.63	+ 8	41.00	+ 7	29.70	+ 5
18	25.16	− 1	29.86	+ 8	22.17	− 3	25.84	+ 9	40.97	+ 4	30.02	+ 8
19	24.91	− 5	30.02	+ 7	21.30	−17	26.04	+ 9	40.93	+ 1	30.34	+ 9
20	24.65	− 8	30.18	+ 4	20.42	−28	26.25	+ 6	40.88	− 3	30.65	+ 9
21	24.40	− 9	30.33	0	19.53	−31	26.45	+ 1	40.82	− 6	30.96	+ 7
22	24.14	− 7	30.47	− 4	18.63	−27	26.64	− 3	40.77	− 7	31.27	+ 2
23	23.88	− 4	30.60	− 6	17.71	−16	26.82	− 6	40.71	− 7	31.58	− 2
24	23.62	0	30.73	− 7	16.79	− 1	27.00	− 7	40.64	− 4	31.88	− 6
25	23.35	+ 4	30.85	− 6	15.85	+15	27.18	− 8	40.57	− 1	32.17	− 8
26	23.08	+ 8	30.97	− 3	14.91	+27	27.35	− 5	40.49	+ 3	32.47	− 8
27	22.82	+ 9	31.08	+ 1	13.96	+34	27.51	− 1	40.41	+ 7	32.76	− 6
28	22.55	+ 9	31.18	+ 4	13.00	+34	27.67	+ 3	40.32	+ 9	33.05	− 3
29	22.27	+ 8	31.28	+ 8	12.02	+27	27.81	+ 7	40.23	+ 9	33.34	+ 1
30	22.00	+ 5	31.37	+ 9	11.04	+16	27.95	+ 9	40.14	+ 8	33.63	+ 4
31	21.73	+ 1	31.46	+ 9	10.05	+ 4	28.09	+ 9	40.04	+ 6	33.91	+ 7
32	21.45	− 3	31.54	+ 8	9.06	− 9	28.22	+ 9	39.93	+ 3	34.19	+ 9
sec δ, tg δ	13.73		+13.70		88° 52′ 20″	50.808	+50.798		12.31		+12.27	
					30	50.933	+50.923					

1917	51 Hev. Cephei 5ᵐ.2				1 Hev. Draconis 4ᵐ.3				ε Ursae minoris 4ᵐ.2			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$7^h 3^m$	in 0.01 s	+87° 10′	in 0.01″	$9^h 25^m$	in 0.01 s	+81° 41′	in 0.01″	$16^h 54^m$	in 0.01 s	+82° 10′	in 0.01″
Nov. 29	2.45 s	− 1	35.98″	− 9	35.42 s	− 3	3.64″	− 7	8.00 s	− 1	28.08″	+10
30	2.83	+ 5	36.19	− 9	35.59	− 1	3.63	− 9	7.95	− 2	27.73	+ 9
Dez. 1	3.21	+10	36.40	− 8	35.76	+ 2	3.63	−10	7.91	− 3	27.38	+ 6
2	3.58	+13	36.62	− 6	35.93	+ 3	3.63	− 8	7.87	− 4	27.04	+ 3
3	3.94	+14	36.85	− 1	36.10	+ 5	3.64	− 5	7.83	− 3	26.69	− 1
4	4.30	+12	37.07	+ 3	36.27	+ 5	3.65	− 2	{7.80 7.77	− 2 − 1	26.34 25.99	− 5 − 7
5	4.65	+ 9	37.30	+ 6	36.44	+ 5	3.67	+ 1	7.74	0	25.64	− 8
6	4.99	+ 5	37.54	+ 8	36.61	+ 3	3.71	+ 5	7.71	+ 1	25.29	− 8
7	5.33	− 1	37.78	+ 9	36.78	+ 2	3.76	+ 7	7.69	+ 2	24.94	− 6
8	5.66	− 6	38.02	+ 8	36.94	− 1	3.81	+ 9	7.67	+ 3	24.58	− 3
9	5.99	−11	38.26	+ 6	37.11	− 3	3.86	+ 9	7.65	+ 3	24.23	+ 1
10	6.31	−14	38.51	+ 3	37.27	− 5	3.92	+ 8	7.63	+ 3	23.88	+ 4
11	6.62	−15	38.77	0	37.44	− 6	3.99	+ 6	7.62	+ 2	23.53	+ 7
12	6.92	−14	39.03	− 4	37.60	− 6	4.06	+ 1	7.61	+ 1	23.17	+ 8
13	7.21	− 9	39.29	− 7	37.76	− 5	4.13	− 2	7.61	0	22.82	+ 9
14	7.50	− 4	39.56	− 9	37.92	− 3	4.21	− 6	7.61	− 2	22.46	+ 8
15	7.78	+ 3	39.82	− 8	38.08	− 1	4.30	− 8	7.61	− 3	22.11	+ 4
16	8.06	+ 8	40.09	− 6	38.24	+ 2	4.39	− 7	7.61	− 3	21.76	0
17	8.32	+12	40.36	− 1	38.39	+ 4	4.49	− 6	7.62	− 2	21.40	− 5
18	8.58	+12	40.63	+ 3	38.55	+ 5	4.59	− 2	7.63	− 1	21.05	− 8
19	8.83	+10	40.90	+ 7	38.70	+ 5	4.70	+ 2	7.65	0	20.69	− 9
20	9.07	+ 5	41.17	+ 9	38.85	+ 4	4.81	+ 5	7.67	+ 2	20.34	− 8
21	9.30	− 1	41.45	+ 9	39.00	+ 2	4.93	+ 7	7.69	+ 3	20.00	− 5
22	9.53	− 7	41.73	+ 7	39.15	− 1	5.05	+ 8	7.71	+ 3	19.65	− 1
23	9.74	−10	42.01	+ 3	39.30	− 3	5.18	+ 6	7.74	+ 2	19.30	+ 3
24	9.95	−11	42.30	− 2	39.45	− 4	5.31	+ 2	7.77	+ 1	18.96	+ 6
25	10.15	− 8	42.60	− 6	39.59	− 4	5.45	− 3	7.80	0	18.61	+ 8
26	10.35	− 3	42.90	− 9	39.73	− 3	5.59	− 6	7.83	− 2	18.27	+ 9
27	10.53	+ 2	43.19	−10	39.87	− 1	5.74	− 9	7.87	− 3	17.93	+ 7
28	10.71	+ 8	43.48	− 9	40.01	+ 1	5.89	−10	7.92	− 3	17.59	+ 3
29	10.88	+12	43.78	− 6	40.15	+ 3	6.05	− 9	7.96	− 3	17.25	− 1
30	11.04	+14	44.08	− 3	40.28	+ 4	6.21	− 7	8.01	− 3	16.92	− 4
31	11.19	+13	44.38	+ 1	40.41	+ 5	6.37	− 4	8.06	− 2	16.58	− 6
32	11.33	+10	44.69	+ 4	40.54	+ 5	6.54	0	8.11	0	16.25	− 8
sec δ, tg δ	20.31		+20.28		6.92		+6.85		7.34		+7.27	

1917	δ Ursae minoris $4^m.3$				λ Ursae minoris $6^m.8$				76 Draconis $6^m.0$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$17^h 58^m$	in ^{s} 0.01	+86° 36′	in ″ 0.01	$18^h 59^m$	in ^{s} 0.01	+89° 1′	in ″ 0.01	$20^h 48^m$	in ^{s} 0.01	+82° 13′	in ″ 0.01
Nov. 29	$15^s.99$	+ 1	58″.62	+10	$67^s.65$	+12	20″.85	+ 9	$30^s.95$	+ 3	64″.82	+ 7
30	15.77	− 3	58.33	+10	66.59	− 3	20.63	+10	30.79	+ 2	64.74	+10
Dez. 1	15.56	− 7	58.04	+ 8	65.55	−18	20.40	+ 9	30.63	+ 1	64.65	+ 9
2	15.35	− 9	57.75	+ 5	64.52	−29	20.17	+ 7	30.47	− 1	64.55	+ 9
3	15.15	−10	57.45	+ 1	63.52	−35	19.94	+ 3	30.32	− 2	64.45	+ 6
4	14.95	− 9	57.15	− 4	62.53	−35	19.71	− 1	30.17	− 3	64.34	+ 3
5	14.76	− 6	56.84	− 7	61.56	−29	19.47	− 5	30.01	− 3	64.22	− 1
6	14.57	− 3	56.52	− 8	60.61	−19	19.22	− 8	29.86	− 3	64.09	− 4
7	14.39	+ 1	56.21	− 8	59.68	− 6	18.96	− 9	29.71	− 3	63.96	− 8
8	14.22	+ 4	55.90	− 8	58.77	+ 8	18.70	−10	29.56	− 1	63.82	− 9
9	14.06	+ 7	55.58	− 6	57.88	+22	18.45	− 8	29.41	0	63.68	−10
10	13.91	+ 9	55.26	− 2	57.01	+32	18.19	− 4	29.27	+ 2	63.53	− 8
11	13.76	+10	54.95	+ 2	56.16	+38	17.93	0	29.12	+ 3	63.39	− 5
12	13.62	+ 9	54.63	+ 6	55.34	+38	17.66	+ 4	28.98	+ 4	63.24	− 1
13	13.48	+ 6	54.31	+ 9	54.53	+31	17.39	+ 8	28.84	+ 4	63.08	+ 3
14	13.35	+ 2	53.99	+10	53.74	+18	17.12	+ 9	28.70	+ 4	62.91	+ 7
15	13.23	− 2	53.67	+ 8	52.98	+ 2	16.85	+ 9	28.56	+ 2	62.74	+ 7
16	13.11	− 5	53.35	+ 5	52.24	−14	16.57	+ 7	28.43	0	62.57	+ 8
17	13.00	− 8	53.02	+ 1	51.52	−27	16.29	+ 3	28.30	− 1	62.39	+ 6
18	12.90	− 8	52.69	− 4	50.83	−32	16.01	− 1	28.17	− 3	62.20	+ 2
19	12.81	− 6	52.35	− 7	50.15	−30	15.72	− 6	28.04	− 4	62.01	− 2
20	12.72	− 3	52.02	−10	49.50	−20	15.43	−10	27.91	− 4	61.82	− 6
21	{12.64 {12.57	+ 1 + 5	51.69 51.37	−11 − 7	48.88	− 5	15.13	−11	27.78	− 3	61.62	− 9
22	12.51	+ 7	51.04	− 3	48.27	+10	14.83	− 9	27.66	− 1	61.41	− 9
23	12.45	+ 7	50.70	+ 1	47.69	+22	14.54	− 5	27.54	+ 1	61.20	− 6
24	12.40	+ 6	50.37	+ 5	47.14	+28	14.25	0	27.42	+ 2	60.99	− 2
25	12.36	+ 2	50.04	+ 8	46.61	+26	13.95	+ 5	27.30	+ 3	60.77	0
26	12.32	− 2	49.70	+ 9	46.10	+17	13.64	+ 9	27.19	+ 3	60.54	+ 6
27	12.29	− 5	49.37	+ 8	45.62	+ 3	13.34	+10	27.08	+ 3	60.31	+ 9
28	12.27	− 8	49.03	+ 6	45.16	−12	13.03	+10	26.97	+ 2	60.08	+10
29	12.26	− 9	48.70	+ 2	44.72	−24	12.72	+ 8	26.86	0	59.84	+10
30	12.25	− 9	48.36	− 2	44.31	−33	12.41	+ 4	26.75	− 2	59.60	+ 9
31	12.25	− 7	48.03	− 5	43.93	−35	12.10	− 1	26.65	− 3	59.35	+ 5
32	12.26	− 4	47.70	− 7	43.57	−31	11.78	− 4	26.55	− 3	59.10	0
sec δ, tg δ	16.94		+16.91		89° 1′ 10″ 20	58.435 58.601	+58.426 +58.592		7.40		+7.33	

1917	Octantis 4 G. 6ᵐ				ζ Octantis 6ᵐ–5ᵐ				ι Octantis 6ᵐ–5ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$1^h 41^m$	in ^{s} 0.01	$-85° 11'$	in $''$ 0.01	$9^h 9^m$	in ^{s} 0.01	$-85° 19'$	in $''$ 0.01	$12^h 46^m$	in ^{s} 0.01	$-84° 40'$	in $''$ 0.01
Jan. 0	$68\overset{s}{.}02$	+7	$33\overset{''}{.}83$	+3	$7\overset{s}{.}81$	−4	$47\overset{''}{.}84$	+8	$6\overset{s}{.}85$	−6	$9\overset{''}{.}25$	+1
1	67.75	+5	33.85	−1	7.94	0	48.17	+6	7.11	−4	9.33	+4
2	67.48	+2	33.86	−4	8.07	+3	48.51	+4	7.37	−1	9.42	+6
3	67.20	−2	33.87	−8	8.19	+5	48.85	0	7.64	+2	9.51	+6
4	66.93	−4	33.88	−7	8.31	+6	49.20	−3	7.90	+5	9.62	+5
5	66.65	−6	33.88	−5	8.42	+6	49.54	−6	8.16	+7	9.74	+2
6	66.38	−7	33.87	−2	8.52	+4	49.89	−8	8.42	+7	9.86	−1
7	66.10	−7	33.85	+1	8.62	+2	50.24	−9	8.68	+7	9.98	−4
8	65.82	−5	33.84	+4	8.72	0	50.60	−8	8.94	+5	10.11	−6
9	65.55	−3	33.82	+7	8.81	−3	50.96	−6	9.19	+2	10.25	−8
10	65.27	0	33.79	+7	8.90	−5	51.32	−3	9.45	−1	10.39	−8
11	64.99	+3	33.76	+7	8.99	−6	51.69	+1	9.70	−4	10.54	−5
12	64.71	+5	33.72	+6	9.07	−6	52.06	+5	9.96	−6	10.69	−1
13	64.44	+7	33.67	+3	9.14	−4	52.42	+8	10.21	−7	10.85	+2
14	64.16	+7	33.62	−2	9.21	−2	52.79	+11	10.46	−8	11.02	+6
15	63.88	+6	33.57	−6	9.27	+1	53.17	+11	10.71	−7	11.20	+10
16	63.61	+4	33.50	−10	9.33	+4	53.54	+9	10.96	−4	11.38	+12
17	63.33	+1	33.42	−11	9.39	+7	53.92	+6	11.21	−1	11.56	+12
18	63.06	−2	33.34	−12	9.44	+8	54.30	+2	11.45	+3	11.74	+9
19	62.78	−5	33.26	−10	9.48	+8	54.68	−2	11.70	+5	11.93	+6
20	62.50	−7	33.16	−5	9.52	+6	55.07	−7	11.94	+7	12.13	+2
21	62.23	−7	33.06	0	9.56	+3	55.46	−9	12.18	+7	12.34	−3
22	61.96	−5	32.96	+4	9.59	−1	55.84	−9	12.42	+5	12.55	−8
23	61.68	−2	32.86	+9	9.61	−5	56.22	−6	12.65	+2	12.76	−10
24	61.41	+1	32.74	+10	9.63	−7	56.60	−3	12.89	−2	12.98	−10
25	61.14	+5	32.62	+11	9.65	−8	56.98	+1	13.12	−5	13.21	−8
26	60.87	+7	32.49	+8	9.66	−7	57.37	+5	13.35	−7	13.44	−4
27	60.60	+7	32.36	+4	9.66	−5	57.76	+7	13.58	−7	13.67	0
28	60.33	+6	32.21	0	9.66	−2	58.15	+7	13.81	−5	13.91	+4
29	60.06	+3	32.06	−3	9.66	+1	58.53	+5	14.03	−2	14.16	+6
30	59.80	0	31.91	−6	9.65	+4	58.92	+2	14.25	+1	14.41	+6
31	59.53	−3	31.76	−7	9.64	+5	59.32	−2	14.47	+4	14.66	+4
Febr. 1	59.27	−6	31.60	−5	9.62	+6	59.71	−6	14.69	+7	14.92	+2
2	59.01	−7	31.43	−2	9.60	+5	60.10	−8	14.91	+8	15.19	−1
3	58.75	−7	31.26	+1	9.57	+3	60.49	−10	15.12	+7	15.46	−4
4	58.49	−6	31.09	+4	9.54	0	60.87	−9	15.33	+5	15.73	−6
5	58.23	−3	30.91	+7	9.50	−2	61.25	−7	15.53	+3	16.01	−8
6	57.98	−1	30.72	+8	9.46	−4	61.64	−4	15.74	+1	16.29	−8
sec δ, tg δ	11.93		−11.89		12.29		−12.25		10.76		−10.72	

1917	Octantis 20 G. 7ᵐ				Octantis 26 G. 6ᵐ – 7ᵐ				χ Octantis 6ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$14^h 45^m$	in 0.01 s	−87° 48′	in 0.01″	$16^h 29^m$	in 0.01 s	−86° 12′	in 0.01″	$18^h 5^m$	in 0.01 s	−87° 39′	in 0.01″
Jan. 0	56.53	−13	39.74	− 2	29.31	− 7	52.37	− 5	51.03	− 6	51.58	− 7
1	57.14	−12	39.63	+ 1	29.58	− 8	52.14	− 1	51.27	−11	51.25	− 3
2	57.75	− 6	39.53	+ 5	29.86	− 6	51.91	+ 4	51.51	−11	50.92	+ 2
3	58.36	+ 1	39.44	+ 7	30.14	− 3	51.68	+ 7	51.76	− 8	50.60	+ 6
4	58.98	+ 8	39.35	+ 7	30.43	+ 1	51.45	+ 8	52.02	− 4	50.28	+ 9
5	59.60	+14	39.27	+ 5	30.72	+ 5	51.23	+ 8	52.30	+ 2	49.96	+ 9
6	60.23	+17	39.20	+ 3	31.01	+ 8	51.02	+ 6	52.58	+ 8	49.65	+ 9
7	60.86	+17	39.13	0	31.31	+10	50.81	+ 4	52.87	+12	49.34	+ 6
8	61.49	+14	39.06	− 3	31.62	+10	50.60	0	53.17	+14	49.03	+ 3
9	62.13	+ 9	39.00	− 6	31.93	+ 8	50.39	− 4	53.48	+14	48.72	− 2
10	62.77	+ 3	38.95	− 7	32.24	+ 5	50.19	− 7	53.80	+11	48.41	− 5
11	63.42	− 3	38.91	− 7	32.56	+ 1	49.99	− 8	54.13	+ 6	48.11	− 7
12	64.06	−12	38.87	− 6	32.88	− 4	49.80	− 7	54.47	0	47.81	− 9
13	64.71	−17	38.84	− 3	33.21	− 8	49.62	− 5	54.82	− 8	47.51	− 9
14	65.36	−20	38.81	0	33.54	−12	49.44	− 3	55.17	−14	47.22	− 7
15	66.01	−20	38.79	+ 4	33.87	−14	49.26	0	55.53	−19	46.93	− 4
16	66.67	−16	38.77	+ 7	34.21	−13	49.09	+ 4	55.91	−22	46.64	0
17	67.33	− 9	38.76	+10	34.55	−10	48.93	+ 7	56.29	−20	46.35	+ 5
18	67.98	− 1	38.75	+11	34.89	− 6	48.77	+10	56.68	−15	46.07	+ 8
19	68.64	+ 7	38.76	+ 9	35.24	− 1	48.61	+10	57.08	− 7	45.79	+10
20	69.31	+13	38.76	+ 6	35.59	+ 5	48.46	+ 8	57.49	+ 2	45.51	+10
21	69.97	+16	38.77	+ 1	35.95	+ 9	48.31	+ 4	57.90	+11	45.23	+ 7
22	70.63	+15	38.79	− 3	36.30	+11	48.17	0	58.32	+16	44.95	+ 2
23	71.30	+10	38.82	− 7	36.66	+10	48.04	− 5	58.75	+18	44.68	− 3
24	71.96	+ 3	38.85	− 9	37.02	+ 7	47.90	− 9	59.19	+16	44.42	− 8
25	72.63	− 5	38.88	−10	37.39	+ 2	47.77	−10	59.64	+10	44.16	−10
26	73.30	−11	38.92	− 8	37.76	− 2	47.65	− 9	60.09	+ 3	43.89	−10
27	73.96	−14	38.97	− 4	38.13	− 6	47.54	− 7	60.55	− 4	43.63	− 8
28	74.63	−13	39.02	0	38.51	− 7	47.42	− 3	61.02	− 9	43.38	− 4
29	75.30	− 8	39.08	+ 4	38.88	− 6	47.31	+ 2	61.49	−10	43.14	+ 1
30	75.96	− 1	39.15	+ 6	39.25	− 3	47.20	+ 6	61.97	− 9	42.90	+ 5
31	76.63	+ 6	39.22	+ 7	39.63	0	47.10	+ 7	62.46	− 5	42.66	+ 8
Febr. 1	77.29	+13	39.30	+ 5	40.02	+ 4	47.01	+ 8	62.96	+ 1	42.42	+ 9
2	77.96	+17	39.38	+ 3	40.41	+ 8	46.93	+ 7	63.46	+ 7	42.20	+ 9
3	78.62	+18	39.47	0	40.79	+10	46.85	+ 4	63.96	+12	41.97	+ 7
4	79.28	+16	39.56	− 3	41.18	+10	46.77	0	64.47	+14	41.74	+ 4
5	79.94	+12	39.66	− 5	41.56	+ 9	46.70	− 3	64.99	+15	41.52	+ 1
6	80.60	+ 6	39.76	− 6	41.95	+ 7	46.63	− 6	65.52	+13	41.31	− 3

sec δ, tg δ	Octantis 20 G.			Octantis 26 G.		χ Octantis		
	87° 48′ 30″	26.149	−26.130	15.14	−15.11	87° 39′ 40″	24.504	−24.483
	40	26.182	−26.163			50	24.533	−24.513

1917	σ Octantis 6ᵐ				β Octantis 4ᵐ.1				τ Octantis 6ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$19^h 26^m$ s	in s 0.01	−89° 13′ ″	in ″ 0.01	$22^h 37^m$ s	in s 0.01	−81° 49′ ″	in ″ 0.01	$23^h 15^m$ s	in s 0.01	−87° 56′ ″	in ″ 0.01
Jan. 0	40.51	+14	33.33	−10	37.79	+4	15.02	−5	64.41	+16	31.70	−3
1	40.56	−8	32.97	−8	37.68	+1	14.79	−7	63.87	+8	31.50	−6
2	40.64	−25	32.61	−4	37.57	−1	14.56	−6	63.34	−1	31.31	−7
3	40.74	−34	32.25	0	37.46	−3	14.33	−4	62.81	−9	31.12	−5
4	40.88	−33	31.89	+5	37.36	−4	14.09	−1	62.29	−15	30.92	−3
5	41.06	−24	31.54	+8	37.25	−4	13.84	+2	61.77	−17	30.71	+1
6	41.26	−9	31.18	+9	37.15	−4	13.59	+5	61.26	−16	30.49	+4
7	41.49	+7	30.83	+10	37.05	−2	13.34	+7	60.76	−12	30.26	+7
8	41.75	+22	30.47	+9	36.96	0	13.09	+8	60.26	−6	30.03	+8
9	42.04	+34	30.11	+5	36.86	+2	12.83	+8	59.77	+1	29.79	+9
10	42.37	+39	29.75	0	36.77	+3	12.56	+6	59.29	+7	29.55	+7
11	42.73	+37	29.39	−3	36.68	+4	12.29	+3	58.81	+13	29.30	+4
12	{43.11 {43.52	+28 +13	29.03 28.67	−6 −8	36.59	+4	12.01	−1	58.34	+16	29.04	0
13	43.97	−6	28.32	−9	36.50	+4	11.73	−5	57.87	+16	28.78	−4
14	44.45	−27	27.97	−9	36.41	+2	11.44	−8	57.41	+13	28.52	−8
15	44.95	−46	27.61	−7	36.33	0	11.15	−11	56.96	+7	28.26	−10
16	45.49	−59	27.26	−4	36.25	−2	10.85	−12	56.52	0	27.99	−11
17	46.05	−62	26.90	0	36.17	−5	10.56	−11	56.08	−9	27.71	−11
18	46.64	−54	26.55	+5	36.09	−6	10.26	−9	55.65	−16	27.42	−9
19	47.26	−35	26.20	+8	36.02	−6	9.96	−5	55.23	−20	27.13	−5
20	47.91	−9	25.86	+9	35.94	−5	9.65	0	54.82	−20	26.84	0
21	48.59	+17	25.51	+8	35.87	−3	9.33	+5	54.42	−15	26.55	+5
22	49.30	+40	25.16	+5	35.81	0	9.01	+8	54.02	−7	26.26	+8
23	50.03	+53	24.82	+1	35.74	+3	8.69	+10	53.63	+3	25.96	+9
24	50.79	+54	24.48	−4	35.68	+5	8.37	+9	53.25	+12	25.65	+8
25	51.58	+43	24.14	−7	35.62	+6	8.04	+5	52.88	+19	25.34	+5
26	52.40	+24	23.80	−8	35.56	+6	7.71	+1	52.51	+21	25.03	+1
27	53.24	+2	23.46	−7	35.50	+5	7.38	−3	52.15	+18	24.71	−2
28	54.11	−17	23.12	−5	35.45	+2	7.05	−6	51.80	+12	24.39	−5
29	55.00	−29	22.79	−1	35.39	0	6.71	−7	51.46	+3	24.06	−6
30	55.92	−32	22.46	+3	35.34	−3	6.37	−5	51.13	−6	23.72	−5
31	56.87	−26	22.13	+6	35.30	−4	6.03	−3	50.81	−13	23.39	−3
Febr. 1	57.84	−13	21.80	+9	35.25	−4	5.68	+1	50.50	−17	23.06	+1
2	58.84	+3	21.47	+10	35.21	−4	5.34	+5	50.19	−17	22.72	+4
3	59.86	+19	21.14	+9	35.17	−2	4.98	+8	49.89	−14	22.37	+7
4	60.91	+31	20.82	+6	35.13	−1	4.63	+9	49.60	−9	22.02	+8
5	61.98	+39	20.50	+2	35.09	+1	4.27	+10	49.33	−2	21.67	+8
6	63.07	+40	20.19	−1	35.06	+3	3.92	+8	49.06	+5	21.32	+9
sec δ, tg δ	89° 13′ 20″ 30	73.668 73.932	−73.661 −73.926		7.03		−6.96		87° 56′ 20″ 30	27.804 27.842	−27.786 −27.824	

1917	Octantis 4 G. 6ᵐ				ζ Octantis 6ᵐ–5ᵐ				ι Octantis 6ᵐ–5ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$1^h 41^m$ s	in s 0.01	$-85° 11'$ "	in " 0.01	$9^h 9^m$ s	in s 0.01	$-85° 20'$ "	in " 0.01	$12^h 46^m$ s	in s 0.01	$-84° 40'$ "	in " 0.01
Febr. 6	57.98	− 1	30.72	+ 8	9.46	− 4	1.64	− 4	15.74	+ 1	16.29	− 8
7	57.73	+ 2	30.53	+ 8	9.42	− 6	2.03	0	15.94	− 2	16.58	− 7
8	57.47	+ 4	30.33	+ 6	9.37	− 6	2.42	+ 4	16.14	− 5	16.86	− 5
9	57.22	+ 6	30.13	+ 4	9.31	− 5	2.81	+ 7	16.34	− 7	17.15	− 1
10	56.98	+ 7	29.93	0	9.25	− 3	3.20	+10	16.53	− 8	17.45	+ 4
11	56.73	+ 7	29.72	− 4	9.19	0	3.58	+10	16.72	− 7	17.75	+ 8
12	56.49	+ 5	29.50	− 8	9.12	+ 3	3.95	+10	16.91	− 5	18.06	+10
13	56.25	+ 2	29.27	−10	9.05	+ 6	4.33	+ 7	17.09	− 2	18.37	+12
14	56.01	− 1	29.05	−11	8.97	+ 8	4.71	+ 4	17.28	+ 1	18.68	+11
15	55.77	− 4	28.82	−10	8.89	+ 8	5.09	− 1	17.46	+ 4	19.00	+ 9
16	55.54	− 6	28.59	− 8	8.80	+ 7	5.47	− 5	17.64	+ 6	19.32	+ 5
17	55.30	− 7	28.35	− 4	8.71	+ 5	5.85	− 8	17.81	+ 7	19.64	0
18	55.07	− 6	28.10	+ 1	8.61	+ 1	6.23	− 8	17.98	+ 6	19.96	− 5
19	54.85	− 3	27.84	+ 7	8.51	− 3	6.60	− 7	18.15	+ 3	20.28	− 8
20	54.62	0	27.59	+10	8.41	− 6	6.98	− 3	18.31	0	20.61	−10
21	54.40	+ 4	27.33	+10	8.30	− 7	7.35	+ 1	18.47	− 4	20.95	− 9
22	54.18	+ 6	27.07	+ 8	8.19	− 7	7.72	+ 5	18.63	− 6	21.29	− 5
23	53.96	+ 7	26.81	+ 5	8.07	− 5	8.08	+ 7	18.78	− 7	21.63	− 2
24	53.75	+ 6	26.54	+ 1	7.95	− 3	8.45	+ 8	18.94	− 6	21.97	+ 2
25	53.54	+ 4	26.26	− 3	7.82	0	8.81	+ 6	19.09	− 3	22.31	+ 5
26	53.33	+ 1	25.97	− 6	7.69	+ 3	9.17	+ 3	19.23	0	22.66	+ 6
27	53.12	− 2	25.69	− 8	7.56	+ 5	9.53	− 1	19.37	+ 3	23.01	+ 5
28	52.92	− 5	25.40	− 6	7.42	+ 6	9.89	− 5	19.51	+ 6	23.36	+ 3
März 1	52.72	− 7	25.10	− 3	7.28	+ 5	10.24	− 8	19.65	+ 7	23.71	0
2	52.52	− 7	24.80	0	7.14	+ 3	10.59	−10	19.78	+ 8	24.07	− 3
3	52.32	− 6	24.50	+ 3	6.99	+ 1	10.94	−10	19.91	+ 6	24.43	− 7
4	52.13	− 4	24.20	+ 7	6.83	− 2	11.29	− 8	20.04	+ 4	24.79	− 8
5	51.94	− 2	23.89	+ 8	6.68	− 4	11.63	− 5	20.16	+ 2	25.15	− 8
6	51.76	+ 1	23.59	+ 8	6.52	− 5	11.97	− 2	20.27	− 1	25.51	− 8
7	51.58	+ 4	23.28	+ 8	6.35	− 6	12.30	+ 2	20.39	− 4	25.88	− 5
8	51.40	+ 6	22.97	+ 5	6.19	− 6	12.63	+ 6	20.50	− 6	26.25	− 2
9	51.22	+ 7	22.65	+ 3	6.02	− 4	12.96	+ 9	20.61	− 7	26.62	+ 2
10	51.05	+ 7	22.32	− 1	5.84	− 2	13.29	+10	20.72	− 7	26.99	+ 6
11	50.88	+ 5	21.99	− 5	5.66	+ 1	13.62	+10	20.82	− 5	27.37	+ 9
12	50.72	+ 3	21.67	− 9	5.48	+ 4	13.95	+ 8	20.92	− 3	27.75	+11
13	50.56	0	21.34	−11	5.30	+ 7	14.27	+ 5	21.01	0	28.12	+11
14	50.40	− 3	21.01	−11	5.11	+ 8	14.59	+ 1	21.10	+ 3	28.49	+10
15	50.24	− 6	20.68	−10	4.92	+ 8	14.90	− 3	21.19	+ 6	28.87	+ 6
sec δ, tg δ	11.93		−11.88		12.29		−12.25		10.77		−10.72	

1917	Octantis 20 G. 7^m				Octantis 26 G. $6^m - 7^m$				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$14^h 46^m$	in 0.01^s	−87° 48′	in 0.01″	$16^h 29^m$	in 0.01^s	−86° 12′	in 0.01″	$18^h 6^m$	in 0.01^s	−87° 39′	in 0.01″
Febr. 6	20.60	+ 6	39.76	− 6	41.95	+ 7	46.63	− 6	5.52	+13	41.31	− 3
7	21.25	− 1	39.86	− 7	42.35	+ 3	46.57	− 7	6.05	+ 9	41.10	− 6
8	21.91	− 9	39.98	− 7	42.74	− 2	46.51	− 8	6.59	+ 3	40.89	− 8
9	22.56	−15	40.11	− 4	43.13	− 6	46.47	− 7	7.13	− 4	40.69	− 9
10	23.21	−19	40.24	0	43.53	−10	46.43	− 5	7.68	−11	40.49	− 7
11	23.86	−20	40.37	+ 3	43.93	−13	46.39	− 2	8.23	−17	40.29	− 5
12	24.50	−18	40.50	+ 6	44.33	−13	46.35	+ 3	8.79	−21	40.10	− 2
13	25.15	−12	40.64	+ 9	44.73	−12	46.32	+ 7	9.36	−21	39.92	+ 2
14	25.79	− 5	40.78	+11	45.13	− 8	46.29	+10	9.93	−18	39.74	+ 7
15	26.43	+ 4	40.93	+10	45.53	− 3	46.27	+11	10.50	−11	39.56	+10
16	27.06	+11	41.09	+ 7	45.93	+ 2	46.26	+ 9	11.07	− 3	39.38	+10
17	27.69	+15	41.25	+ 3	46.33	+ 6	46.25	+ 6	11.65	+ 6	39.21	+ 8
18	28.32	+15	41.41	− 1	46.74	+ 9	46.25	+ 2	12.24	+13	39.05	+ 5
19	28.95	+11	41.58	− 6	47.14	+ 9	46.25	− 3	12.83	+16	38.89	0
20	29.57	+ 5	41.76	− 9	47.54	+ 7	46.26	− 8	13.43	+15	38.73	− 5
21	30.19	− 3	41.94	−10	47.95	+ 3	46.28	−10	14.03	+11	38.58	− 8
22	30.81	−10	42.13	− 9	48.35	− 1	46.30	−10	14.63	+ 4	38.43	−10
23	31.42	−14	42.32	− 6	48.75	− 5	46.32	− 8	15.23	− 2	38.29	−10
24	32.02	−14	42.51	− 2	49.16	− 7	46.34	− 4	15.84	− 8	38.15	− 7
25	32.62	−10	42.70	+ 2	49.56	− 7	46.37	+ 1	16.45	−10	38.02	− 2
26	33.22	− 4	42.90	+ 5	49.96	− 5	46.41	+ 4	17.06	−10	37.90	+ 3
27	33.81	+ 4	43.11	+ 7	50.37	− 1	46.45	+ 6	17.68	− 6	37.78	+ 7
28	34.40	+11	43.33	+ 7	50.77	+ 3	46.50	+ 8	18.30	− 1	37.66	+10
März 1	34.99	+16	43.54	+ 4	51.17	+ 7	46.55	+ 8	18.93	+ 5	37.54	+10
2	35.57	+19	43.76	+ 1	51.57	+10	46.61	+ 5	19.55	+11	37.44	+ 8
3	36.14	+18	43.99	− 2	51.97	+11	46.67	+ 2	20.18	+14	37.34	+ 5
4	36.71	+14	44.22	− 5	52.37	+10	46.74	− 2	20.81	+16	37.24	+ 2
5	37.28	+ 9	44.45	− 7	52.77	+ 8	46.82	− 4	21.44	+14	37.15	− 2
6	37.84	+ 2	44.69	− 8	53.17	+ 5	46.90	− 6	22.07	+11	37.06	− 6
7	38.39	− 5	44.93	− 8	53.57	+ 1	46.98	− 8	22.71	+ 6	36.98	− 8
8	38.94	−12	45.18	− 6	53.96	− 4	47.06	− 8	23.35	− 1	36.90	− 9
9	39.48	−17	45.43	− 4	54.36	− 8	47.15	− 6	23.99	− 8	36.83	− 9
10	40.02	−19	45.68	0	54.75	−11	47.25	− 2	24.63	−14	36.76	− 7
11	40.55	−18	45.94	+ 4	55.14	−13	47.35	+ 1	25.27	−19	36.69	− 3
12	41.08	−14	46.21	+ 7	55.53	−12	47.46	+ 5	25.91	−20	36.63	+ 1
13	41.60	− 7	46.47	+10	55.92	− 9	47.57	+ 8	26.56	−18	36.58	+ 5
14	42.11	+ 1	46.74	+12	56.31	− 5	47.68	+10	27.20	−13	36.54	+ 9
15	42.62	+ 8	47.01	+10	56.69	0	47.80	+10	27.84	− 6	36.49	+10
sec δ, tg δ	87° 48′ 40″ 50		26.182 26.215	−26.163 −26.196	15.14		−15.10		87° 39′ 30″ 40		24.475 24.504	−24.453 −24.483

1917	σ Octantis 6ᵐ				β Octantis 4ᵐ.1				τ Octantis 6ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$19^h 27^m$ s	in s 0.01	−89° 13′ ″	in ″ 0.01	$22^h 37^m$ s	in s 0.01	−81° 48′ ″	in ″ 0.01	$23^h 15^m$ s	in s 0.01	−87° 56′ ″	in ″ 0.01
Febr. 6	3.07	+40	20.19	− 1	35.06	+ 3	63.92	+ 8	49.06	+ 5	21.32	+ 9
7	4.19	+34	19.88	− 4	35.03	+ 4	63.56	+ 5	48.80	+11	20.97	+ 7
8	5.34	+21	19.57	− 7	35.00	+ 4	63.20	+ 1	48.54	+15	20.61	+ 4
9	6.50	+ 3	19.27	− 9	34.98	+ 4	62.84	− 3	48.30	+17	20.25	− 1
10	7.69	−17	18.96	−10	34.95	+ 3	62.48	− 7	48.07	+15	19.89	− 6
11	8.90	−37	18.66	− 8	34.93	+ 1	62.11	−10	47.84	+10	19.53	− 9
12	10.13	−53	18.36	− 5	34.91	− 1	61.74	−11	47.63	+ 3	19.17	−12
13	11.38	−61	18.06	− 1	34.89	− 4	61.37	−11	47.43	− 5	18.80	−12
14	12.66	−58	17.77	+ 3	34.88	− 5	60.99	−10	47.23	−13	18.43	−11
15	13.95	−45	17.49	+ 7	34.87	− 6	60.62	− 6	47.04	−19	18.06	− 7
16	15.27	−23	17.21	+ 8	34.86	− 6	60.25	− 2	46.87	−21	17.69	− 2
17	16.61	+ 3	16.93	+ 8	34.85	− 4	59.88	+ 3	46.70	−18	17.31	+ 3
18	17.96	+27	16.65	+ 6	34.85	− 2	59.50	+ 7	46.54	−11	16.93	+ 7
19	19.33	+44	16.38	+ 2	34.85	+ 1	59.13	+ 8	46.39	− 2	16.54	+ 8
20	20.73	+50	16.11	− 3	34.85	+ 4	58.75	+ 9	46.25	+ 8	16.16	+10
21	22.14	+44	15.85	− 6	34.85	+ 5	58.36	+ 5	46.12	+16	15.78	+ 8
22	23.57	+29	15.58	− 8	34.85	+ 6	57.98	+ 1	46.00	+20	15.40	+ 3
23	25.02	+ 9	15.32	− 8	34.86	+ 5	57.60	− 2	45.89	+19	15.02	− 1
24	26.49	−11	15.07	− 6	34.87	+ 3	57.22	− 5	45.78	+14	14.63	− 5
25	27.97	−26	14.81	− 2	34.88	+ 1	56.84	− 7	45.69	+ 6	14.24	− 6
26	29.47	−32	14.56	+ 2	34.90	− 1	56.46	− 5	45.61	− 3	13.85	− 7
27	30.99	−28	14.32	+ 6	34.91	− 3	56.07	− 4	45.54	−10	13.46	− 5
28	32.52	−17	14.07	+ 9	34.93	− 4	55.69	− 1	45.47	−15	13.06	− 1
März 1	34.07	− 2	13.83	+10	{34.95 {34.97	− 4 − 3	55.31 54.93	+ 3 + 6	45.41	−17	12.67	+ 3
2	35.63	+15	13.60	+ 9	35.00	− 1	54.55	+ 8	45.37	−15	12.29	+ 6
3	37.21	+29	13.37	+ 7	35.03	+ 1	54.16	+ 9	45.33	−10	11.90	+ 8
4	38.80	+39	13.15	+ 4	35.06	+ 2	53.77	+ 8	45.30	− 4	11.52	+ 9
5	40.41	+42	12.93	+ 1	35.10	+ 3	53.39	+ 6	45.29	+ 3	11.13	+ 9
6	42.03	+39	12.71	− 3	35.13	+ 4	53.01	+ 3	45.28	+ 9	10.74	+ 7
7	43.67	+29	12.50	− 7	35.17	+ 5	52.63	− 1	45.28	+14	10.35	+ 4
8	45.31	+13	12.29	− 8	35.21	+ 4	52.25	− 4	45.29	+16	9.95	0
9	46.97	− 7	12.08	− 9	35.25	+ 3	51.87	− 7	45.31	+16	9.54	− 4
10	48.64	−27	11.87	− 8	35.30	0	51.49	− 9	45.34	+12	9.14	− 8
11	50.33	−45	11.67	− 6	35.34	− 2	51.12	−10	{45.38 {45.43	+ 6 − 1	8.74 8.34	−10 −11
12	52.03	−56	11.48	− 3	35.39	− 4	50.74	−10	45.49	− 9	7.95	−10
13	53.73	−58	11.29	+ 1	35.45	− 6	50.36	− 7	45.56	−16	7.56	− 8
14	55.44	−49	11.11	+ 5	35.50	− 6	49.98	− 3	45.63	−20	7.17	− 5
15	57.17	−31	10.93	+ 7	35.56	− 5	49.61	+ 1	45.71	−19	6.78	0
sec δ, tg δ	89° 13′ 10″ 20	73.406 73.668	−73.399 −73.661		7.02		−6.95		87° 56′ 10″ 20	27.767 27.804	−27.749 −27.786	

Scheinbare Sternörter 1917

1917	Octantis 4 G. 6ᵐ				ζ Octantis 6ᵐ–5ᵐ				ι Octantis 6ᵐ–5ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	1ʰ 41ᵐ	in 0.01ˢ	−85° 11′	in 0.01″	9ʰ 8ᵐ	in 0.01ˢ	−85° 20′	in 0.01″	12ʰ 46ᵐ	in 0.01ˢ	−84° 40′	in 0.01″
März 15	50.24	−6	20.68	−10	64.92	+8	14.90	−3	21.19	+6	28.87	+6
16	50.09	−7	20.34	−6	64.73	+6	15.21	−6	21.28	+7	29.24	+1
17	49.94	−6	20.00	−1	64.53	+3	15.51	−8	21.36	+6	29.62	−4
18	49.80	−4	19.66	+5	64.33	−1	15.81	−7	21.44	+4	29.99	−7
19	49.66	−1	19.32	+8	64.13	−4	16.11	−4	21.51	+1	30.37	−8
20	49.52	+2	18.97	+9	63.92	−7	16.41	0	21.58	−3	30.76	−8
21	49.38	+5	18.61	+10	63.71	−7	16.70	+4	21.65	−6	31.14	−6
22	49.25	+7	18.26	+6	63.50	−6	16.99	+7	21.71	−7	31.52	−2
23	49.13	+7	17.90	+3	63.28	−4	17.27	+9	21.77	−7	31.91	+2
24	49.00	+5	17.54	−2	63.07	−1	17.55	+7	21.83	−5	32.29	+5
25	48.88	+3	17.19	−6	62.85	+2	17.83	+4	21.88	−2	32.68	+6
26	48.77	−1	16.84	−8	62.63	+5	18.10	0	21.93	+2	33.06	+6
27	48.65	−4	16.48	−6	62.41	+6	18.37	−4	21.98	+5	33.45	+4
28	48.54	−7	16.11	−4	62.18	+5	18.63	−7	22.02	+7	33.83	+1
29	48.44	−7	15.75	−1	61.95	+4	18.89	−9	22.06	+8	34.21	−2
30	48.34	−7	15.38	+2	61.71	+2	19.15	−10	22.09	+7	34.59	−6
31	48.25	−5	15.01	+5	61.48	−1	19.40	−9	22.12	+5	34.97	−8
April 1	48.16	−3	14.64	+8	61.24	−3	19.65	−6	22.15	+3	35.35	−9
2	48.07	0	14.27	+9	61.01	−5	19.89	−3	22.18	0	35.74	−9
3	47.98	+2	13.90	+9	60.77	−6	20.13	0	22.20	−3	36.12	−6
4	47.90	+5	13.53	+8	60.52	−6	20.37	+4	22.22	−5	36.50	−3
5	47.82	+7	13.16	+4	60.28	−5	20.60	+7	22.23	−7	36.89	0
6	47.75	+7	12.79	0	60.03	−3	20.82	+9	22.24	−7	37.27	+4
7	47.68	+6	12.41	−5	59.78	0	21.04	+10	22.25	−6	37.64	+8
8	47.61	+4	12.03	−9	59.53	+3	21.26	+9	22.25	−4	38.02	+10
9	47.55	+1	11.65	−10	59.28	+6	21.48	+6	22.25	−1	38.39	+11
10	47.49	−2	11.27	−12	59.02	+7	21.69	+2	22.25	+2	38.77	+9
11	47.44	−5	10.90	−10	58.77	+8	21.89	−2	22.24	+5	39.15	+6
12	47.39	−7	10.53	−6	58.51	+6	22.10	−6	22.23	+7	39.52	+2
13	47.34	−7	10.16	−2	58.25	+4	22.29	−8	22.22	+7	39.90	−2
14	47.30	−5	9.78	+3	57.99	0	22.48	−8	22.21	+5	40.27	−6
15	47.27	−2	9.40	+6	57.73	−3	22.66	−6	22.19	+2	40.63	−8
16	47.23	+1	9.02	+9	57.46	−6	22.85	−2	22.16	−2	41.00	−8
17	47.20 47.18	+4 +7	8.64 8.26	+10 +6	57.20	−7	23.03	+1	22.13	−5	41.37	−7
18	47.16	+7	7.88	+3	56.93	−7	23.20	+5	22.10	−7	41.73	−3
19	47.14	+6	7.50	−1	56.66	−5	23.36	+8	22.07	−7	42.09	+1
20	47.13	+4	7.13	−4	56.40	−2	23.52	+8	22.03	−6	42.45	+5
21	47.12	+1	6.75	−5	56.13	+1	23.67	+6	21.99	−3	42.81	+7
sec δ, tg δ	11.93		−11.88		12.30		−12.26		10.78		−10.73	

1917	Octantis 20 G. 7^m				Octantis 26 G. 6^m–7^m				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$14^h 46^m$	in ^{s} 0.01	−87° 48′	in ″ 0.01	$16^h 29^m$	in ^{s} 0.01	−86° 12′	in ″ 0.01	$18^h 6^m$	in ^{s} 0.01	−87° 39′	in ″ 0.01
März 15	42.62	+ 8	47.01	+10	56.69	0	47.80	+10	27.84	− 6	36.49	+10
16	43.12	+13	47.28	+ 6	57.08	+ 5	47.93	+ 8	28.49	+ 2	36.45	+ 9
17	43.62	+15	47.56	+ 1	57.46	+ 8	48.06	+ 3	29.14	+10	36.42	+ 6
18	44.11	+13	47.84	− 4	57.84	+ 9	48.19	− 2	29.78	+14	36.39	+ 1
19	44.59	+ 7	48.12	− 7	58.22	+ 8	48.33	− 6	30.43	+15	36.36	− 3
20	45.07	− 1	48.40	− 9	58.60	+ 4	48.47	− 9	31.08	+12	36.34	− 8
21	45.54	− 8	48.68	− 9	58.97	0	48.61	−10	31.73	+ 6	36.33	−10
22	46.00	−13	48.97	− 7	59.34	− 4	48.76	− 8	32.37	− 1	36.32	−10
23	46.46	−15	49.27	− 3	59.71	− 7	48.91	− 5	33.02	− 7	36.31	− 7
24	46.91	−13	49.58	+ 1	60.08	− 8	49.07	− 1	33.66	−11	36.31	− 3
25	47.35	− 7	49.88	+ 5	60.45	− 6	49.23	+ 3	34.31	−11	36.31	+ 1
26	47.78	0	50.19	+ 7	60.81	− 3	49.39	+ 6	34.95	− 8	36.32	+ 6
27	48.21	+ 8	50.49	+ 7	61.17	+ 1	49.56	+ 8	35.60	− 3	36.32	+ 8
28	48.63	+14	50.80	+ 5	61.53	+ 6	49.74	+ 8	36.24	+ 3	36.34	+ 9
29	49.04	+18	51.11	+ 2	61.88	+ 9	49.92	+ 6	36.88	+ 9	36.37	+ 9
30	49.45	+18	51.42	0	62.23	+11	50.10	+ 3	37.52	+13	36.40	+ 6
31	49.85	+16	51.74	− 3	62.58	+11	50.29	0	38.16	+16	36.43	+ 3
April 1	50.24	+11	52.06	− 6	62.93	+ 9	50.48	− 3	38.79	+15	36.47	− 1
2	50.62	+ 5	52.38	− 8	63.27	+ 6	50.67	− 6	39.43	+13	36.51	− 5
3	51.00	− 2	52.70	− 9	63.61	+ 3	50.86	− 8	40.06	+ 8	36.55	− 7
4	51.37	− 9	53.03	− 7	63.95	− 2	51.06	− 9	40.69	+ 2	36.60	− 8
5	51.73	−15	53.35	− 5	64.28	− 6	51.26	− 7	41.32	− 5	36.65	− 9
6	52.08	−18	53.67	− 1	64.61	−10	51.47	− 5	41.95	−11	36.71	− 8
7	52.42	−18	54.00	+ 3	64.94	−12	51.68	− 2	42.57	−16	36.77	− 5
8	52.76	−15	54.33	+ 6	65.27	−12	51.90	+ 2	43.19	−19	36.83	0
9	53.09	− 9	54.66	+ 9	65.59	−10	52.11	+ 6	43.81	−18	36.91	+ 4
10	53.41	− 2	54.99	+10	65.91	− 6	52.33	+ 9	44.43	−15	37.00	+ 8
11	53.72	+ 6	55.33	+ 9	66.22	− 1	52.56	+11	45.04	− 8	37.08	+ 9
12	54.02	+12	55.67	+ 6	66.53	+ 4	52.79	+ 9	45.65	0	37.17	+10
13	54.32	+15	56.01	+ 2	66.84	+ 8	53.02	+ 6	46.26	+ 8	37.26	+ 7
14	54.61	+14	56.36	− 3	67.14	+ 9	53.26	+ 1	46.86	+13	37.36	+ 3
15	54.89	+ 9	56.70	− 7	67.44	+ 9	53.50	− 3	47.46	+15	37.46	− 2
16	55.16	+ 2	57.05	− 9	67.74	+ 6	53.74	− 7	48.06	+13	37.56	− 7
17	55.42	− 5	57.39	− 9	68.03	+ 1	53.99	−10	48.65	+ 8	37.67	− 9
18	55.68	−12	57.74	− 8	68.32	− 3	54.24	− 9	49.24	+ 1	37.79	−10
19	55.92	−16	58.08	− 4	68.60	− 7	54.49	− 7	49.83	− 6	37.91	− 9
20	56.16	−15	58.43	0	68.88	− 9	54.74	− 3	50.41	−11	38.03	− 5
21	56.39	−11	58.78	+ 4	69.16	− 8	55.00	+ 2	50.99	−12	38.16	0
sec δ, tg δ	87° 48′ 50″	26.215	−26.196		15.14		−15.11		87° 39′ 30″	24.475	−24.453	
	60	26.249	−26.230						40	24.504	−24.483	

Scheinbare Sternörter 1917

1917	σ Octantis 6^m				β Octantis 4^m.1				τ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	19h 27m	in s 0.01	−89° 13′	in ″ 0.01	22h 37m	in s 0.01	−81° 48′	in ″ 0.01	23h 15m	in s 0.01	−87° 55′	in ″ 0.01
März 15	s 57.17	−31	″ 10.93	+7	s 35.56	−5	″ 49.61	+1	s 45.71	−19	″ 66.78	0
16	58.91	−7	10.76	+8	35.62	−3	49.24	+4	45.81	−14	66.39	+4
17	60.65	+17	10.59	+6	35.68	0	48.86	+7	45.91	−6	66.00	+6
18	62.40	+36	10.43	+3	35.74	+2	48.49	+8	46.02	+4	65.61	+7
19	64.17	+46	10.27	−1	35.80	+5	48.12	+6	46.14	+13	65.23	+7
20	65.94	+44	10.11	−5	35.87	+6	47.76	+3	46.27	+19	64.84	+4
21	67.72	+32	9.96	−8	35.94	+5	47.40	−1	46.41	+20	64.45	0
22	69.51	+14	9.82	−9	36.01	+4	47.03	−4	46.56	+17	64.06	−3
23	71.30	−7	9.68	−7	36.08	+3	46.67	−6	46.71	+10	63.67	−5
24	73.10	−23	9.54	−5	36.16	+1	46.31	−7	46.87	+1	63.28	−6
25	74.91	−32	9.41	−1	36.24	−3	45.95	−5	47.05	−7	62.90	−5
26	76.72	−32	9.28	+3	36.32	−4	45.60	−1	47.23	−14	62.53	−3
27	78.54	−23	9.15	+7	36.40	−4	45.24	+2	47.42	−17	62.15	+1
28	80.36	−8	9.04	+9	36.48	−4	44.89	+5	47.62	−16	61.77	+4
29	82.19	+9	8.93	+9	36.56	−2	44.54	+8	47.82	−13	61.39	+7
30	84.03	+25	8.82	+7	36.65	0	44.19	+9	48.04	−7	61.02	+8
31	85.86	+37	8.71	+5	36.74	+2	43.85	+9	48.27	0	60.65	+9
April 1	87.70	+42	8.61	+2	36.83	+3	43.51	+7	48.50	+7	60.27	+8
2	89.54	+41	8.51	−2	36.92	+4	43.16	+5	48.74	+13	59.89	+5
3	91.39	+34	8.42	−5	37.02	+5	42.82	+1	48.99	+16	59.52	+2
4	93.24	+20	8.33	−8	37.12	+4	42.48	−3	49.25	+16	59.15	−2
5	95.09	+2	8.25	−9	37.22	+3	42.14	−6	49.51	+14	58.79	−5
6	96.94	−18	8.17	−9	37.32	+1	41.81	−9	49.78	+9	58.44	−8
7	98.79	−36	8.10	−7	37.42	−1	41.49	−10	50.06	+2	58.09	−10
8	100.65	−50	8.03	−4	37.52	−4	41.16	−10	50.35	−6	57.74	−10
9	102.50	−55	7.97	0	37.63	−5	40.84	−8	50.65	−14	57.39	−8
10	104.36	−51	7.91	+4	37.73	−6	40.53	−4	50.96	−18	57.04	−5
11	106.21	−36	7.86	+8	37.84	−5	40.21	0	51.27	−19	56.70	−1
12	108.07	−16	7.82	+9	37.96	−4	39.89	+4	51.59	−16	56.35	+3
13	109.92	+9	7.78	+7	38.07	−1	39.58	+7	51.92	−9	56.01	+6
14	111.77	+30	7.74	+5	38.19	+2	39.28	+8	52.25	0	55.68	+8
15	113.62	+43	7.70	+1	38.30	+4	38.98	+7	52.59	+9	55.35	+7
16	115.47	+45	7.68	−3	38.42	+5	38.68	+3	52.94	+16	55.02	+5
17	117.31	+36	7.67	−7	38.54	+5	38.38	−1	53.30	+20	54.70	+1
18	119.15	+19	7.65	−9	38.66	+4	38.08	−4	53.66	+18	54.39	−3
19	120.99	−2	7.64	−9	38.78	+2	37.79	−6	54.03	+13	54.07	−6
20	122.83	−20	7.63	−6	38.91	0	37.51	−7	54.41	+5	53.75	−7
21	124.66	−32	7.62	−2	39.03	−2	37.23	−6	54.79	−4	53.43	−6
sec δ, tg δ	89° 13′ 0″	73.145	−73.138		7.02		−6.95		87° 55′ 50″	27.693	−27.675	
	10	73.406	−73.399						60	27.730	−27.712	

1917	Octantis 4 G. 6^m				ζ Octantis $6^m - 5^m$				ι Octantis $6^m - 5^m$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$1^h 41^m$ s	in s 0.01	−85° 10′ ″	in ″ 0.01	$9^h 8^m$ s	in s 0.01	−85° 20′ ″	in ″ 0.01	$12^h 46^m$ s	in s 0.01	−84° 40′ ″	in ″ 0.01
April 21	47.12	+1	66.75	−5	56.13	+1	23.67	+6	21.99	−3	42.81	+7
22	47.12	−3	66.37	−6	55.86	+4	23.82	+3	21.95	0	43.17	+7
23	47.12	−6	66.00	−5	55.59	+6	23.96	−1	21.90	+3	43.52	+5
24	47.12	−7	65.63	−3	55.32	+6	24.10	−6	21.85	+6	43.88	+2
25	47.13	−7	65.26	+1	55.04	+5	24.24	−9	21.80	+8	44.23	−1
26	47.14	−6	64.89	+4	54.77	+3	24.37	−10	21.74	+7	44.58	−4
27	47.15	−4	64.51	+6	54.50	0	24.50	−9	21.68	+6	44.92	−7
28	47.17	−1	64.13	+7	54.22	−2	24.62	−7	21.62	+4	45.27	−9
29	47.19	+2	63.76	+8	53.95	−4	24.73	−3	21.55	+1	45.61	−8
30	47.22	+4	63.39	+7	53.67	−6	24.84	0	21.48	−2	45.95	−7
Mai 1	47.25	+6	63.02	+5	53.39	−6	24.94	+3	21.41	−5	46.28	−5
2	47.29	+7	62.65	+2	53.11	−5	25.03	+6	21.34	−6	46.61	−1
3	47.33	+7	62.29	−2	52.84	−3	25.12	+9	21.26	−7	46.94	+3
4	47.37	+5	61.93	−6	52.56	−1	25.21	+10	21.18	−6	47.27	+7
5	47.42	+3	61.57	−9	52.28	+2	25.29	+9	21.09	−5	47.60	+9
6	47.47	0	61.21	−10	52.00	+5	25.36	+7	21.00	−2	47.93	+10
7	47.52	−4	60.85	−10	51.73	+7	25.44	+4	20.91	+1	48.25	+10
8	47.58	−6	60.48	−7	51.45	+8	25.51	−1	20.82	+4	48.57	+8
9	47.64	−7	60.12	−3	51.17	+7	25.57	−5	20.72	+6	48.88	+4
10	47.71	−6	59.77	+1	50.89	+5	25.62	−8	20.62	+7	49.18	−1
11	47.78	−4	59.42	+6	50.62	+1	25.66	−9	20.52	+6	49.49	−6
12	47.85	−1	59.07	+9	50.34	−2	25.70	−7	20.41	+3	49.79	−9
13	47.93	+3	58.72	+10	50.07	−5	25.74	−4	20.30	0	50.09	−9
14	48.02	+6	58.38	+8	49.79	−7	25.78	0	20.19	−3	50.38	−8
15	48.10	+7	58.04	+5	49.51	−7	25.81	+4	20.08	−6	50.68	−5
16	48.19	+7	57.70	+1	49.24	−6	25.84	+7	19.96	−7	50.97	−1
17	48.29	+5	57.36	−3	48.96	−3	25.86	+9	19.84	−6	51.26	+3
18	48.38	+2	57.02	−6	48.69	0	25.87	+8	19.72	−4	51.54	+6
19	48.48	−1	56.68	−7	48.42	+3	25.87	+5	19.59	−1	51.82	+7
20	48.59	−5	56.35	−7	48.15	+5	25.87	+1	19.47	+2	52.09	+6
21	48.70	−7	56.03	−4	47.87	+6	25.86	−4	19.34	+5	52.36	+4
22	48.81	−7	55.71	−1	47.60	+5	25.86	−7	19.20	+7	52.62	0
23	48.93	−7	55.39	+2	47.33	+4	25.85	−10	19.07	+8	52.88	−3
24	49.05	−5	55.07	+5	47.07	+1	25.84	−9	18.93	+7	53.14	−6
25	49.17	−2	54.76	+7	46.80	−1	25.82	−8	18.79	+5	53.39	−8
26	49.30	+1	54.45	+8	46.53	−4	25.79	−6	18.65	+2	53.64	−8
27	49.43	+3	54.14	+7	46.27	−5	25.76	−3	18.50	−1	53.88	−7
28	49.56	+5	53.83	+5	46.00	−6	25.72	+1	18.35	−4	54.12	−5
sec δ, tg δ	11.91		−11.87		12.31		−12.27		10.78		−10.74	

1917	Octantis 20 G. 7^m				Octantis 26 G. 6^m-7^m				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$14^h 46^m$	in 0.01^s	−87° 48′	in 0.01″	$16^h 30^m$	in 0.01^s	−86° 12′	in 0.01″	$18^h 6^m$	in 0.01^s	−87° 39′	in 0.01″
April 21	$56.^s39$	−11	58.″78	+ 4	$9.^s16$	− 8	55.″00	+ 2	$50.^s99$	−12	38.″16	0
22	56.61	− 4	59.13	+ 6	9.43	− 5	55.26	+ 5	51.56	−11	38.29	+ 4
23	56.82	+ 5	59.48	+ 7	9.70	− 1	55.53	+ 7	52.13	− 6	38.43	+ 7
24	57.02	+12	59.83	+ 6	9.97	+ 3	55.79	+ 8	52.70	0	38.56	+ 9
25	57.22	+17	60.19	+ 4	10.23	+ 7	56.05	+ 8	53.26	+ 6	38.70	+ 9
26	57.40	+19	60.54	+ 1	10.48	+10	56.32	+ 5	53.82	+12	38.85	+ 8
27	57.57	+17	60.89	− 3	10.73	+11	56.59	+ 2	54.37	+15	39.00	+ 5
28	57.74	+13	61.23	− 6	10.98	+10	56.86	− 2	54.92	+16	39.15	+ 1
29	57.90	+ 7	61.58	− 8	11.22	+ 7	57.14	− 5	55.46	+14	39.31	− 2
30	58.05	0	61.92	− 8	11.46	+ 4	57.41	− 7	56.00	+10	39.47	− 6
Mai 1	58.19	− 7	62.27	− 7	11.69	0	57.69	− 8	56.53	+ 4	39.64	− 8
2	58.33	−13	62.63	− 5	11.92	− 5	57.97	− 8	57.06	− 2	39.81	− 9
3	58.45	−17	62.99	− 2	12.14	− 8	58.26	− 5	57.58	− 9	39.99	− 8
4	58.56	−18	63.34	+ 2	12.36	−11	58.55	− 2	58.09	−14	40.16	− 6
5	58.66	−16	63.70	+ 6	12.58	−12	58.83	+ 2	58.60	−18	40.34	− 2
6	58.76	−12	64.05	+ 8	12.79	−11	59.12	+ 5	59.10	−19	40.53	+ 3
7	58.85	− 5	64.40	+10	12.99	− 7	59.41	+ 8	59.60	−16	40.72	+ 6
8	58.93	+ 4	64.75	+10	13.19	− 3	59.70	+10	60.09	−10	40.91	+ 9
9	59.00	+11	65.10	+ 8	13.39	+ 2	60.00	+10	60.58	− 2	41.11	+10
10	59.06	+15	65.45	+ 4	13.58	+ 6	60.30	+ 7	61.06	+ 6	41.32	+ 9
11	59.11	+16	65.79	0	13.76	+ 9	60.60	+ 3	61.54	+12	41.53	+ 5
12	59.15	+13	66.14	− 5	13.94	+10	60.90	− 2	62.01	+16	41.74	0
13	59.19	+ 6	66.49	− 9	14.12	+ 7	61.20	− 6	62.47	+15	41.95	− 5
14	59.21	− 2	66.84	−10	14.29	+ 3	61.51	− 9	62.92	+11	42.16	− 8
15	59.22	−10	67.18	− 9	14.46	− 1	61.81	−10	63.37	+ 4	42.38	−10
16	59.23	−15	67.53	− 5	14.62	− 5	62.12	− 9	63.81	− 3	42.60	−10
17	59.23	−16	67.87	− 1	14.77	− 8	62.43	− 4	64.24	− 9	42.83	− 7
18	59.22	−13	68.21	+ 3	14.92	− 9	62.74	+ 1	64.67	−12	43.06	− 3
19	59.19	− 7	68.55	+ 6	15.07	− 7	63.05	+ 5	65.09	−12	43.29	+ 2
20	59.16	+ 1	68.88	+ 8	15.21	− 3	63.35	+ 7	65.50	− 9	43.52	+ 6
21	59.12	+ 9	69.22	+ 8	15.34	+ 2	63.66	+ 9	65.91	− 3	43.76	+ 9
22	59.07	+15	69.55	+ 5	15.47	+ 6	63.98	+ 8	66.32	+ 3	44.00	+10
23	59.02	+18	69.88	+ 1	15.59	+ 9	64.29	+ 6	66.71	+ 9	44.24	+ 8
24	58.95	+18	70.21	− 2	15.71	+10	64.60	+ 2	67.09	+13	44.48	+ 6
25	58.87	+15	70.53	− 5	15.82	+10	64.91	− 1	67.47	+15	44.72	+ 2
26	58.79	+ 9	70.86	− 7	15.93	+ 9	65.22	− 4	67.84	+15	44.97	− 1
27	58.70	+ 3	71.19	− 7	16.03	+ 5	65.53	− 6	68.20	+11	45.22	− 5
28	58.60	− 5	71.52	− 8	16.13	+ 1	65.84	− 8	68.55	+ 6	45.48	− 7
sec δ, tg δ	87° 49′ 0″	26.249	−26.230		15.15		−15.12		87° 39′ 40″	24.504	−24.483	
	10	26.282	−26.263						50	24.533	−24.513	

1917	σ Octantis 6m				β Octantis 4m.1				τ Octantis 6m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	19h 29m	in 0.01 s	−89° 13′	in 0.01 ″	22h 37m	in 0.01 s	−81° 48′	in 0.01 ″	23h 15m	in 0.01 s	−87° 55′	in 0.01 ″
April 21	4.66	−32	7.62	− 2	39.03	− 2	37.23	− 6	54.79	− 4	53.43	− 6
22	6.49	−35	7.62	+ 2	39.16	− 4	36.94	− 4	55.18	−12	53.12	− 4
23	8.31	−29	7.63	+ 6	39.29	− 4	36.66	0	55.58	−16	52.81	− 1
24	10.13	−16	7.64	+ 8	39.42	− 4	36.39	+ 4	55.99	−17	52.51	+ 3
25	11.94	+ 1	7.66	+ 9	39.55	− 3	36.12	+ 7	56.40	−14	52.21	+ 6
26	13.75	+18	7.69	+ 9	39.68	− 1	35.86	+ 9	56.82	− 9	51.91	+ 8
27	15.55	+32	7.72	+ 6	39.82	+ 1	35.60	+ 9	57.24	− 2	51.62	+ 9
28	17.34	+41	7.75	+ 3	39.95	+ 3	35.34	+ 7	57.67	+ 5	51.33	+ 9
29	19.12	+43	7.79	0	40.09	+ 4	35.09	+ 5	58.10	+11	51.05	+ 7
30	20.90	+37	7.83	− 3	40.23	+ 5	34.85	+ 2	58.54	+15	50.77	+ 4
Mai 1	22.67	+25	7.87	− 6	40.37	+ 4	34.61	− 1	58.99	+16	50.49	0
2	24.43	+ 9	7.92	− 8	40.51	+ 3	34.37	− 5	59.45	+15	50.21	− 4
3	26.18	−11	7.98	− 9	40.65	+ 2	34.14	− 8	59.91	+11	49.94	− 7
4	27.93	−29	8.03	− 7	40.79	− 1	33.91	− 9	60.37	+ 5	49.68	− 9
5	29.66	−45	8.09	− 4	40.93	− 3	33.69	−10	60.84	− 3	49.42	−10
6	31.38	−53	8.16	− 1	41.08	− 5	33.47	− 8	61.31	−11	49.16	− 9
7	33.09	−52	8.24	+ 3	41.22	− 6	33.26	− 5	61.79	−17	48.91	− 7
8	34.80	−41	8.32	+ 6	41.37	− 6	33.05	− 2	62.28	−19	48.66	− 3
9	36.50	−21	8.40	+ 8	41.52	− 4	32.85	+ 3	62.77	−18	48.42	+ 2
10	38.18	+ 2	8.49	+ 9	41.67	− 2	32.65	+ 7	63.26	−12	48.18	+ 6
11	39.85	+25	8.59	+ 7	41.82	+ 1	32.45	+ 8	63.76	− 4	47.94	+ 7
12	41.51	+42	8.69	+ 4	41.97	+ 3	32.26	+ 7	64.27	+ 6	47.70	+ 8
13	43.16	+48	8.79	− 1	42.12	+ 5	32.08	+ 5	64.78	+14	47.47	+ 6
14	44.79	+43	8.90	− 5	42.27	+ 6	31.90	+ 1	65.29	+19	47.24	+ 3
15	46.42	+28	9.01	− 8	42.42	+ 5	31.72	− 3	65.81	+19	47.02	0
16	48.03	+ 7	9.12	−10	42.58	+ 3	31.55	− 5	66.34	+15	46.81	− 4
17	49.62	−14	9.24	− 8	42.73	+ 1	31.38	− 7	66.86	+ 8	46.61	− 7
18	51.20	−30	9.36	− 4	42.89	− 2	31.22	− 6	67.39	− 1	46.41	− 8
19	52.77	−37	9.49	0	43.04	− 4	31.07	− 4	67.93	− 9	46.22	− 6
20	54.32	−34	9.62	+ 4	43.20	− 4	30.91	− 1	68.47	−15	46.03	− 3
21	55.86	−23	9.76	+ 7	43.36	− 4	30.76	+ 2	69.01	−17	45.84	+ 1
22	57.39	− 7	9.91	+ 9	43.52	− 3	30.61	+ 6	69.56	−16	45.66	+ 5
23	58.90	+11	10.05	+10	43.68	− 2	30.46	+ 8	70.11	−11	45.48	+ 7
24	60.39	+27	10.20	+ 9	43.84	0	30.33	+ 9	70.66	− 5	45.31	+ 8
25	61.86	+37	10.36	+ 6	43.99	+ 2	30.21	+ 9	71.22	+ 2	45.15	+ 9
26	63.32	+42	10.52	+ 2	44.15	+ 4	30.08	+ 7	71.78	+ 8	44.99	+ 7
27	64.76	+39	10.68	− 2	44.31	+ 4	29.96	+ 3	72.34	+13	44.84	+ 4
28	66.18	+29	10.85	− 6	44.47	+ 4	29.85	− 1	72.90	+16	44.69	+ 1
sec δ, tg δ	89° 13′ 0″	73.145	−73.138		7.02		−6.95		87° 55′ 40″	27.656	−27.638	
	10	73.406	−73.399						50	27.693	−27.675	

1917	Octantis 4 G. 6^m				ζ Octantis 6^m-5^m				ι Octantis 6^m-5^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$1^h 41^m$	in 0.01 s	−85° 10′	in 0.01″	$9^h 8^m$	in 0.01 s	−85° 20′	in 0.01″	$12^h 46^m$	in 0.01 s	−84° 40′	in 0.01″
Mai 28	49.56	+5	53.83	+5	46.00	−6	25.72	+1	18.35	−4	54.12	−5
29	49.70	+7	53.53	+3	45.74	−6	25.68	+5	18.20	−6	54.36	−2
30	49.84	+7	53.23	0	45.48	−4	25.63	+8	18.05	−7	54.59	+1
31	49.98	+6	52.93	−5	45.22	−2	25.57	+10	17.90	−7	54.82	+5
Juni 1	50.13	+4	52.64	−8	44.96	+1	25.51	+10	17.74	−6	55.05	+9
2	50.28	+1	52.35	−10	44.70	+4	25.44	+8	17.58	−3	55.27	+11
3	50.43	−2	52.07	−11	44.45	+6	25.37	+5	17.42	0	55.48	+11
4	50.58	−5	51.79	−9	44.20	+7	25.30	+1	17.26	+3	55.69	+9
5	50.74	−7	51.51	−6	43.95	+7	25.21	−3	17.09	+6	55.89	+6
6	50.91	−7	51.24	−1	43.70	+6	25.11	−6	16.92	+7	56.09	+1
7	51.07	−5	50.97	+4	43.45	+3	25.02	−9	16.75	+7	56.28	−3
8	51.24	−2	50.70	+8	43.21	−1	24.93	−9	16.58	+5	56.47	−7
9	51.41	+1	50.43	+9	42.96	−4	24.83	−6	16.41	+2	56.66	−9
10	51.59	+4	50.17	+9	42.72	−7	24.72	−2	16.24	−2	56.84	−9
11	51.77	+7	49.91	+7	42.48	−8	24.61	+3	16.06	−5	57.01	−7
12	51.95	+7	49.66	+3	42.25	−7	24.50	+6	15.88	−7	57.18	−3
13	52.13	+6	49.42	−1	42.01	−4	24.38	+8	15.70	−7	57.35	0
14	52.32	+3	49.18	−4	41.78	−1	24.25	+8	15.52	−5	57.51	+4
15	52.50	0	48.94	−6	41.55	+2	24.11	+6	15.34	−2	57.66	+7
16	52.69	−3	48.71	−7	41.32	+4	23.97	+2	15.15	+1	57.81	+7
17	52.89	−6	48.48	−5	41.10	+5	23.83	−3	14.97	+4	57.95	+6
18	53.08	−7	48.26	−3	40.87	+4	23.68	−6	14.78	+7	58.09	+2
19	53.28	−7	48.04	+1	40.65	+3	23.53	−8	14.59	+8	58.22	−1
20	53.49	−6	47.83	+4	40.44	+1	23.37	−10	14.40	+7	58.34	−6
21	53.69	−3	47.63	+7	40.22	−1	23.21	−9	14.21	+5	58.47	−7
22	53.90	0	47.43	+8	40.01	−3	23.05	−7	14.02	+3	58.59	−8
23	54.10	+2	47.23	+8	39.80	−4	22.89	−3	13.82	0	58.70	−8
24	54.31	+5	47.04	+6	39.60	−4	22.72	+1	13.63	−3	58.80	−6
25	54.52	+6	46.86	+4	39.40	−4	22.54	+4	13.43	−5	58.90	−3
26	54.74	+7	46.68	0	39.20	−3	22.36	+7	13.23	−7	59.00	+1
27	54.95	+6	46.50	−4	39.00	−1	22.18	+10	13.04	−7	59.09	+5
28	55.17	+5	46.32	−8	38.81	+1	21.99	+10	12.84	−6	59.17	+8
29	55.39	+2	46.14	−10	38.62	+3	21.79	+9	12.64	−5	59.25	+10
30	55.62	−1	45.98	−11	38.43	+5	21.59	+7	12.44	−2	59.33	+12
Juli 1	55.84	−4	45.82	−10	38.24	+7	21.38	+4	12.24	+1	59.40	+10
2	56.07	−6	45.67	−8	38.06	+8	21.18	0	12.03	+4	59.46	+8
3	56.29	−7	45.52	−3	37.89	+7	20.97	−5	11.83	+6	59.51	+4
4	56.52	−6	45.38	+1	37.72	+4	20.75	−8	11.63	+7	59.56	−1
sec δ, tg δ	11.90		−11.86		12.31		−12.27		10.79		−10.74	

1917		Octantis 20 G. 7^m				Octantis 26 G. 6^m-7^m				χ Octantis 6^m			
		AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
		14^h46^m	in s 0.01	−87° 49′	in ″ 0.01	16^h30^m	in s 0.01	−86° 13′	in ″ 0.01	18^h7^m	in s 0.01	−87° 39′	in ″ 0.01
Mai	28	58.60	− 5	11.52	− 8	16.13	+ 1	5.84	− 8	8.55	+ 6	45.48	− 7
	29	58.49	−11	11.84	− 6	16.22	− 3	6.15	− 8	8.90	0	45.74	− 9
	30	58.37	−16	12.17	− 3	16.31	− 7	6.47	− 6	9.24	− 7	46.00	− 9
	31	58.24	−18	12.49	0	16.39	−10	6.79	− 3	9.57	−13	46.26	− 7
Juni	1	58.10	−18	12.81	+ 3	16.46	−12	7.11	+ 1	9.89	−17	46.53	− 4
	2	57.96	−14	13.12	+ 6	16.53	−12	7.43	+ 5	10.20	−19	46.80	0
	3	57.81	− 8	13.43	+ 9	16.60	− 9	7.74	+ 8	10.51	−18	47.07	+ 4
	4	57.65	0	13.74	+10	16.66	− 5	8.06	+10	10.81	−13	47.33	+ 8
	5	57.48	+ 8	14.04	+ 8	16.71	0	8.37	+10	11.10	− 6	47.60	+10
	6	57.30	+14	14.34	+ 5	16.76	+ 5	8.68	+ 7	11.38	+ 3	47.87	+ 9
	7	57.11	+16	14.64	+ 1	16.80	+ 9	8.99	+ 4	11.65	+10	48.15	+ 7
	8	56.92	+15	14.94	− 4	16.84	+10	9.30	− 1	11.91	+15	48.43	+ 2
	9	56.72	+10	15.24	− 8	16.87	+ 9	9.61	− 6	12.17	+17	48.71	− 2
	10	56.50	+ 2	15.53	−10	16.89	+ 6	9.93	− 9	12.42	+14	48.99	− 7
	11	56.28	− 6	15.82	− 9	16.91	+ 1	10.24	−11	12.65	+ 8	49.28	−10
	12	56.06	−12	16.10	− 7	16.92	− 3	10.56	− 9	12.88	+ 1	49.56	−10
	13	55.82	−15	16.39	− 3	16.93	− 7	10.87	− 6	13.10	− 6	49.85	− 8
	14	55.57	−14	16.67	+ 1	16.93	− 8	11.17	− 2	13.31	−11	50.13	− 4
	15	55.32	− 9	16.94	+ 5	16.93	− 7	11.48	+ 3	13.52	−12	50.42	0
	16	55.06	− 2	17.20	+ 8	16.92	− 4	11.79	+ 6	13.71	−10	50.71	+ 5
	17	54.79	+ 6	17.47	+ 7	16.91	0	12.09	+ 8	13.89	− 5	51.00	+ 8
	18	54.51	+13	17.73	+ 6	16.89	+ 4	12.39	+ 9	14.07	+ 1	51.29	+10
	19	54.23	+17	17.98	+ 3	16.86	+ 8	12.69	+ 7	14.24	+ 7	51.58	+ 9
	20	53.94	+18	18.24	0	16.83	+10	12.99	+ 4	14.39	+12	51.88	+ 7
	21	53.64	+16	18.49	− 4	16.79	+10	13.29	0	14.54	+15	52.18	+ 4
	22	53.33	+11	18.73	− 6	16.75	+ 9	13.59	− 3	14.68	+15	52.47	0
	23	53.02	+ 5	18.98	− 8	16.71	+ 6	13.89	− 6	14.81	+13	52.76	− 4
	24	52.70	− 2	19.22	− 8	16.66	+ 2	14.19	− 8	14.93	+ 8	53.05	− 7
	25	52.37	− 9	19.45	− 7	16.60	− 2	14.48	− 8	15.04	+ 2	53.35	− 8
	26	52.04	−15	19.68	− 4	16.54	− 6	14.77	− 7	15.15	− 5	53.65	− 9
	27	51.70	−18	19.91	0	16.47	−10	15.06	− 4	15.24	−11	53.95	− 7
	28	51.35	−19	20.14	+ 4	16.39	−12	15.34	− 1	15.32	−17	54.25	− 5
	29	51.00	−17	20.37	+ 7	16.31	−13	15.62	+ 3	15.39	−20	54.55	− 1
	30	50.64	−11	20.59	+10	16.23	−11	15.90	+ 7	15.45	−20	54.85	+ 3
Juli	1	50.27	− 4	20.80	+11	16.14	− 7	16.18	+ 9	15.51	−16	55.15	+ 7
	2	49.90	+ 4	21.01	+ 9	16.04	− 3	16.46	+10	15.56	−10	55.44	+ 9
	3	49.52	+11	21.21	+ 7	15.94	+ 3	16.74	+ 9	15.59	− 2	55.74	+ 9
	4	49.13	+15	21.41	+ 3	15.83	+ 7	17.01	+ 5	15.62	+ 7	56.03	+ 8
sec δ, tg δ		87° 49′ 10″	26.282	−26.263		15.16		−15.13		87° 39′ 40″	24.504	−24.483	
		20	26.315	−26.296						50	24.533	−24.513	

1917	σ Octantis 6m				β Octantis 4m.1				τ Octantis 6m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	19h 30m	in 0.01 s	−89° 13′	in 0.01″	22h 37m	in 0.01 s	−81° 48′	in 0.01″	23h 16m	in 0.01 s	−87° 55′	in 0.01″
Mai 28	6.18 s	+29	10.85″	−6	44.47 s	+4	29.85″	−1	12.90 s	+16	44.69″	+1
29	7.59	+14	11.02	−8	44.63	+4	29.74	−5	13.47	+16	44.55	−3
30	8.98	−4	11.19	−9	44.79	+2	29.64	−8	14.04	+13	44.41	−7
31	10.35	−24	11.37	−9	44.96	0	29.54	−9	14.61	+7	44.27	−9
Juni 1	11.71	−41	11.55	−7	45.12	−2	29.45	−10	15.19	0	44.13	−10
2	13.04	−52	11.73	−4	45.28	−4	29.36	−9	15.76	−8	44.00	−10
3	14.35	−55	11.92	−1	45.44	−5	29.28	−6	16.33	−14	43.87	−8
4	15.64	−47	12.12	+3	45.60	−6	29.20	−3	16.91	−18	43.75	−5
5	16.92	−30	12.31	+7	45.76	−5	29.12	+1	17.49	−19	43.64	0
6	18.17	−7	12.51	+9	45.92	−3	29.06	+5	18.07	−15	43.54	+4
7	19.40	+17	12.72	+8	46.08	−1	29.01	+7	18.66	−7	43.45	+7
8	20.62	+37	12.93	+5	46.24	+2	28.96	+8	19.24	+2	43.36	+8
9	21.81	+49	13.14	+2	46.40	+4	28.91	+7	19.83	+11	43.28	+8
10	22.98	+49	13.36	−3	46.57	+5	28.87	+4	20.42	+16	43.20	+6
11	24.13	+38	13.58	−7	46.73	+5	28.83	0	21.00	+20	43.12	+2
12	25.26	+19	13.80	−9	46.88	+3	28.79	−4	21.59	+17	43.05	−3
13	26.36	−3	14.02	−8	47.04	+2	28.77	−6	22.18	+11	42.98	−6
14	27.45	−22	14.25	−6	47.20	−1	28.75	−7	22.77	+3	42.92	−7
15	28.51	−34	14.48	−2	47.36	−3	28.74	−5	23.35	−6	42.87	−6
16	29.55	−36	14.72	+2	47.52	−4	28.73	−2	23.94	−13	42.83	−4
17	30.57	−28	14.96	+6	47.68	−4	28.73	+1	24.53	−17	42.79	−1
18	31.56	−14	15.20	+9	47.84	−4	28.73	+5	25.12	−17	42.76	+3
19	32.52	+4	15.45	+9	47.99	−2	28.73	+7	25.71	−13	42.73	+6
20	33.46	+21	15.70	+8	48.15	0	28.74	+8	26.29	−8	42.71	+8
21	34.39	+34	15.95	+6	48.31	+2	28.76	+9	26.88	−1	42.69	+9
22	35.28	+41	16.20	+3	48.46	+3	28.78	+8	27.46	+6	42.68	+8
23	36.15	+40	16.45	0	48.62	+4	28.81	+5	28.05	+11	42.67	+5
24	37.00	+33	16.71	−4	48.77	+4	28.84	+1	28.63	+15	42.66	+2
25	37.82	+20	16.97	−8	48.92	+4	28.87	−3	29.21	+16	42.65	−2
26	38.61	+2	17.23	−9	49.07	+3	28.91	−7	29.79	+14	42.65	−6
27	39.38	−18	17.49	−9	49.22	+1	28.96	−9	30.37	+9	42.66	−8
28	40.12	−37	17.76	−7	49.37	−1	29.01	−11	30.95	+2	42.69	−10
29	40.84	−51	18.03	−5	49.52	−3	29.07	−10	31.52	−5	42.72	−11
30	41.53	−57	18.31	−1	49.67	−5	29.14	−8	32.09	−12	42.75	−10
Juli 1	42.20	−54	18.58	+3	49.82	−6	29.22	−5	32.66	−17	42.78	−7
2	42.84	−41	18.86	+6	49.97	−5	29.29	−1	33.22	−19	42.82	−3
3	43.45	−19	19.14	+9	50.11	−4	29.36	+3	33.78	−17	42.86	+2
4	44.04	+6	19.43	+8	50.25	−2	29.44	+6	34.34	−11	42.91	+6
sec δ, tg δ	89° 13′ 10″	73.406	−73.399		7.02		−6.95		87° 55′ 40″	27.656	−27.638	
	20	73.668	−73.661						50	27.693	−27.675	

1917	Octantis 4 G. 6^m				ζ Octantis 6^m – 5^m				ι Octantis 6^m – 5^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	1^h 41^m	in 0.01 s	−85° 10′	in 0.01 ″	9^h 8^m	in 0.01 s	−85° 20′	in 0.01 ″	12^h 46^m	in 0.01 s	−84° 40′	in 0.01 ″
Juli 4	56.52	−6	45.38	+1	37.72	+4	20.75	−8	11.63	+7	59.56	−1
5	56.75	−4	45.24	+6	37.55	+1	20.53	−8	11.43	+6	59.60	−5
6	56.98	0	45.11	+9	37.38	−3	20.30	−7	11.22	+3	59.64	−9
7	57.22	+3	44.99	+10	37.22	−6	20.07	−4	11.02	0	59.67	−9
8	57.45	+6	44.88	+8	37.06	−8	19.85	+1	10.81	−4	59.70	−8
9	57.69	+7	44.77	+5	36.90	−8	19.62	+4	10.61	−6	59.72	−5
10	57.92	+6	44.67	+1	36.75	−6	19.38	+6	10.40	−7	59.74	−1
11	58.16	+4	44.57	−3	36.60	−3	19.13	+8	10.20	−6	59.75	+3
12	58.40	+1	44.48	−6	36.46	+1	18.89	+7	9.99	−4	59.75	+6
13	58.64	−2	44.39	−7	36.32	+4	18.65	+4	9.79	0	59.74	+6
14	58.88	−5	44.31	−5	36.18	+5	18.40	−1	9.58	+3	59.73	+5
15	59.12	−7	44.23	−3	36.05	+6	18.15	−5	9.38	+6	59.72	+2
16	59.36	−7	44.15	0	35.92	+5	17.89	−7	9.17	+7	59.70	0
17	59.61	−6	44.07	+4	35.79	+3	17.63	−9	8.97	+7	59.68	−3
18	59.85	−4	44.00	+7	35.67	+1	17.37	−9	8.76	+6	59.65	−6
19	60.09	−2	43.95	+8	35.56	−2	17.11	−8	8.56	+4	59.61	−9
20	60.34	+1	43.90	+8	35.45	−4	16.84	−5	8.36	+1	59.56	−9
21	60.58	+4	43.86	+7	35.34	−6	16.57	−2	8.15	−2	59.52	−7
22	60.83	+6	43.83	+4	35.23	−6	16.30	+2	7.95	−4	59.47	−5
23	61.07	+7	43.80	+2	35.13	−5	16.03	+6	7.75	−6	59.41	−2
24	61.32	+6	43.78	−3	35.04	−4	15.76	+8	7.55	−7	59.35	+2
25	61.56	+5	43.77	−7	34.95	−1	15.48	+10	7.35	−7	59.28	+7
26	61.81	+3	43.75	−9	34.86	+2	15.20	+10	7.15	−5	59.20	+11
27	62.05	0	43.73	−11	34.78	+5	14.92	+8	6.95	−3	59.12	+11
28	62.29	−3	43.72	−11	34.70	+7	14.63	+5	6.76	0	59.04	+11
29	62.54	−5	43.72	−9	34.63	+8	14.34	+1	6.56	+3	58.95	+10
30	62.78	−6	43.73	−6	34.56	+8	14.04	−4	6.37	+5	58.85	+6
31	63.03	−6	43.76	−1	34.50	+6	13.75	−6	6.17	+6	58.75	+2
Aug. 1	63.27	−4	43.79	+4	34.44	+3	13.46	−8	5.98	+6	58.64	−3
2	63.51	−1	43.82	+7	34.38	−1	13.17	−8	5.79	+4	58.53	−7
3	63.75	+2	43.86	+9	34.33	−5	12.88	−5	5.60	+1	58.41	−9
4	63.99	+5	43.90	+9	34.28	−7	12.58	−1	5.41	−3	58.28	−9
5	64.23	+7	43.94	+6	34.24	−8	12.28	+4	5.23	−5	58.15	−6
6	64.47	+7	43.98	+2	34.20	−7	11.99	+6	5.04	−7	58.02	−3
7	64.71	+5	44.03	−1	34.17	−4	11.69	+8	4.86	−6	57.89	+1
8	64.95	+2	44.09	−4	{34.14 {34.12	−1 +2	11.38 11.06	+7 +5	4.68	−5	57.75	+3
9	65.19	−1	44.16	−6	34.10	+4	10.75	+1	4.50	−2	57.60	+6
10	65.42	−4	44.23	−6	34.09	+6	10.45	−3	4.32	+2	57.44	+6
sec δ, tg δ	11.90		−11.85		12.30		−12.26		10.79		−10.74	

Scheinbare Sternörter 1917

1917	Octantis 20 G. 7^m				Octantis 26 G. 6^m-7^m				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$14^h 46^m$	in 0.01 s	−87° 49′	in 0.01″	$16^h 30^m$	in 0.01 s	−86° 13′	in 0.01″	$18^h 7^m$	in 0.01 s	−87° 39′	in 0.01″
Juli 4	49.13	+15	21.41	+ 3	15.83	+ 7	17.01	+ 5	15.62	+ 7	56.03	+ 8
5	48.74	+15	21.60	− 1	15.72	+10	17.27	+ 1	15.64	+13	56.33	+ 4
6	48.34	+11	21.79	− 6	15.61	+10	17.53	− 4	15.65	+16	56.63	− 1
7	47.93	+ 5	21.97	− 9	15.49	+ 8	17.79	− 8	15.64	+15	56.93	− 5
8	47.52	− 2	22.15	−10	15.36	+ 4	18.05	−10	15.63	+11	57.23	− 9
9	47.11	− 9	22.32	− 9	15.23	− 1	18.31	−10	15.61	+ 5	57.53	−10
10	46.69	−14	22.49	− 6	15.09	− 5	18.57	− 7	15.58	− 2	57.83	− 9
11	46.26	−14	22.65	− 2	14.95	− 7	18.82	− 3	15.54	− 8	58.12	− 6
12	45.83	−11	22.81	+ 2	14.80	− 7	19.07	+ 2	15.49	−11	58.41	− 1
13	45.40	− 4	22.96	+ 6	14.65	− 5	19.31	+ 6	15.44	−10	58.70	+ 3
14	44.96	+ 4	23.11	+ 7	14.50	− 1	19.55	+ 8	15.37	− 7	58.99	+ 7
15	44.51	+11	23.25	+ 7	14.34	+ 3	19.79	+ 8	15.29	− 1	59.27	+ 9
16	44.06	+16	23.39	+ 4	14.17	+ 7	20.02	+ 7	15.20	+ 6	59.56	+ 9
17	43.61	+18	23.52	+ 1	14.00	+10	20.24	+ 5	15.10	+11	59.85	+ 8
18	43.15	+18	23.65	− 3	13.83	+11	20.47	+ 1	15.00	+15	60.14	+ 5
19	42.69	+14	23.78	− 5	13.65	+10	20.70	− 2	14.89	+16	60.42	+ 1
20	42.22	+ 8	23.91	− 7	13.46	+ 8	20.92	− 5	14.77	+14	60.70	− 3
21	41.75	+ 1	24.02	− 8	13.27	+ 4	21.14	− 7	14.64	+10	60.98	− 6
22	41.27	− 6	24.13	− 7	13.08	0	21.35	− 8	14.49	+ 5	61.26	− 8
23	40.79	−12	24.23	− 5	12.89	− 5	21.56	− 7	14.34	− 2	61.54	− 9
24	40.31	−17	24.32	− 2	12.69	− 8	21.77	− 5	14.18	−10	61.81	− 8
25	39.83	−19	24.41	+ 1	12.48	−11	21.97	− 2	14.02	−16	62.08	− 6
26	39.34	−18	24.49	+ 4	12.27	−13	22.16	+ 2	13.84	−19	62.35	− 2
27	38.85	−14	24.58	+ 8	12.06	−12	22.35	+ 5	13.65	−21	62.62	+ 2
28	38.35	− 8	24.66	+10	11.84	− 9	22.53	+ 9	13.45	−19	62.88	+ 6
29	37.86	0	24.72	+ 9	11.62	− 5	22.71	+11	13.25	−14	63.14	+ 8
30	37.36	+ 7	24.78	+ 8	11.39	0	22.89	+10	13.04	− 6	63.39	+ 9
31	36.86	+13	24.83	+ 5	11.16	+ 5	23.06	+ 8	12.82	+ 2	63.65	+ 8
Aug. 1	36.35	+15	24.88	+ 1	10.93	+ 8	23.23	+ 4	12.59	+ 9	63.90	+ 5
2	35.85	+13	24.92	− 4	10.70	+ 9	23.39	− 1	12.35	+14	64.15	+ 1
3	35.34	+ 8	24.96	− 8	10.46	+ 8	23.55	− 7	12.10	+15	64.40	− 4
4	34.83	0	24.99	− 9	10.21	+ 5	23.70	− 9	11.85	+13	64.65	− 8
5	34.32	− 7	25.01	− 9	9.97	+ 1	23.85	−10	11.59	+ 7	64.89	−10
6	33.81	−12	25.04	− 7	9.72	− 4	23.99	− 9	11.32	0	65.13	−10
7	33.30	−14	25.06	− 3	9.47	− 7	24.13	− 6	11.04	− 6	65.36	− 7
8	32.79	−12	25.07	+ 1	9.21	− 7	24.28	− 1	10.75	−10	65.60	− 3
9	32.28	− 7	25.08	+ 4	8.95	− 6	24.42	+ 4	10.46	−10	65.83	+ 2
10	31.76	+ 1	25.07	+ 6	8.69	− 3	24.54	+ 6	10.16	− 8	66.06	+ 6
sec δ, tg δ	87° 49′ 20″	26.315	−26.296		15.18		−15.14		87° 39′ 50″	24.533	−24.513	
	30	26.348	−26.329						60	24.562	−24.542	

1917	σ Octantis 6^m				β Octantis $4^m.1$				τ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$19^h 30^m$ s	in s 0.01	−89° 13′ "	in " 0.01	$22^h 37^m$ s	in s 0.01	−81° 48′ "	in " 0.01	$23^h 16^m$ s	in s 0.01	−87° 55′ "	in " 0.01
Juli 4	44.04	+ 6	19.43	+ 8	50.25	− 2	29.44	+ 6	34.34	−11	42.91	+ 6
5	44.60	+29	19.71	+ 6	50.40	+ 1	29.53	+ 8	34.90	− 2	42.98	+ 8
6	45.13	+45	19.99	+ 2	50.54	+ 3	29.62	+ 7	35.45	+ 8	43.05	+ 9
7	45.63	+50	20.27	− 2	50.68	+ 5	29.72	+ 5	36.00	+15	43.12	+ 6
8	46.11	+44	20.55	− 6	50.81	+ 6	29.83	+ 1	36.55	+19	43.20	+ 3
9	46.56	+29	20.82	− 8	50.94	+ 5	29.95	− 2	37.09	+19	43.27	− 1
10	46.98	+ 8	21.10	− 8	51.08	+ 3	30.07	− 5	37.63	+14	43.35	− 4
11	47.37	−12	21.38	− 7	51.22	+ 1	30.19	− 7	38.17	+ 7	43.45	− 6
12	47.74	−27	21.67	− 3	51.35	− 2	30.33	− 6	38.70	− 3	43.55	− 6
13	48.08	−33	21.96	+ 1	51.48	− 4	30.47	− 4	39.22	−10	43.65	− 5
14	48.39	−30	22.25	+ 6	51.61	− 4	30.61	0	39.75	−15	43.76	− 2
15	48.67	−18	22.55	+ 9	51.74	− 4	30.75	+ 3	40.27	−17	43.87	+ 2
16	48.92	− 1	22.84	+10	51.87	− 3	30.89	+ 6	40.78	−15	43.99	+ 5
17	49.15	+16	23.13	+ 9	51.99	− 1	31.04	+ 9	41.29	−10	44.11	+ 7
18	49.34	+31	23.42	+ 7	52.11	+ 1	31.20	+10	41.79	− 3	44.24	+ 9
19	49.51	+40	23.71	+ 4	52.23	+ 3	31.36	+ 9	42.29	+ 4	44.37	+ 9
20	49.65	+42	24.01	+ 1	52.35	+ 4	31.53	+ 6	42.78	+10	44.51	+ 7
21	49.76	+37	24.31	− 3	52.47	+ 4	31.70	+ 3	43.27	+14	44.65	+ 4
22	49.84	+25	24.60	− 6	52.59	+ 4	31.87	0	43.75	+17	44.80	0
23	49.89	+ 9	24.90	− 9	52.70	+ 3	32.05	− 4	44.22	+15	44.95	− 3
24	49.92	−10	25.20	− 9	52.81	+ 2	32.23	− 8	44.69	+11	45.11	− 6
25	49.91	−30	25.50	− 8	52.92	0	32.42	−10	45.15	+ 5	45.27	− 9
26	49.88	−47	25.79	− 6	53.03	− 3	32.61	−11	45.61	− 2	45.44	−11
27	49.81	−57	26.09	− 3	53.13	− 5	32.81	−10	46.06	−10	45.61	−11
28	49.72	−58	26.38	+ 1	53.24	− 6	33.00	− 7	46.50	−16	45.79	− 9
29	49.60	−50	26.68	+ 6	53.34	− 6	33.21	− 4	46.94	−19	45.97	− 5
30	49.45	−32	26.98	+ 8	53.43	− 5	33.42	0	47.37	−18	46.15	− 1
31	49.28	− 8	27.27	+ 8	53.53	− 3	33.63	+ 4	47.79	−14	46.34	+ 4
Aug. 1	49.07	+16	27.56	+ 7	53.63	0	33.85	+ 7	48.20	− 6	46.53	+ 7
2	48.83	+36	27.85	+ 4	53.72	+ 2	34.07	+ 8	48.61	+ 3	46.73	+ 8
3	48.57	+46	28.14	0	53.81	+ 4	34.29	+ 6	49.01	+12	46.94	+ 7
4	48.28	+45	28.42	− 5	53.90	+ 5	34.52	+ 3	49.40	+18	47.15	+ 5
5	47.96	+35	28.70	− 8	53.98	+ 5	34.75	0	49.78	+20	47.37	+ 1
6	47.61	+16	28.98	− 9	54.06	+ 4	34.98	− 3	50.16	+17	47.59	− 4
7	47.23	− 4	29.27	− 7	54.14	+ 2	35.22	− 6	50.53	+10	47.81	− 6
8	46.82	−21	29.56	− 4	54.22	− 1	35.46	− 6	50.89	+ 1	48.04	− 6
9	46.39	−30	29.84	0	54.30	− 3	35.70	− 4	51.24	− 7	48.27	− 5
10	45.93	−30	30.13	+ 5	54.37	− 4	35.95	− 2	51.58	−13	48.50	− 3
sec δ, tg δ	89° 13′ 20″	73.668	−73.661		7.02		−6.95		87° 55′ 40″	27.656	−27.638	
	30	73.932	−73.926						50	27.693	−27.675	

1917	Octantis 4 G. 6ᵐ				ζ Octantis 6ᵐ–5ᵐ				ι Octantis 6ᵐ–5ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$1^h 42^m$ s	in s 0.01	−85° 10′ ″	in ″ 0.01	$9^h 8^m$ s	in s 0.01	−85° 19′ ″	in ″ 0.01	$12^h 45^m$ s	in s 0.01	−84° 40′ ″	in ″ 0.01
Aug. 10	5.42	−4	44.23	−6	34.09	+6	70.45	−3	64.32	+2	57.44	+6
11	5.65	−6	44.31	−4	34.08	+6	70.15	−7	64.15	+5	57.28	+4
12	5.88	−7	44.40	0	34.08	+4	69.85	−10	63.97	+7	57.12	0
13	6.11	−7	44.49	+3	34.07	+2	69.54	−10	63.80	+8	56.95	−3
14	6.34	−5	44.59	+6	34.08	−1	69.24	−10	63.63	+7	56.78	−6
15	6.57	−3	44.69	+8	34.09	−4	68.94	−7	63.47	+5	56.60	−9
16	6.80	0	44.81	+9	34.11	−5	68.64	−3	63.30	+2	56.41	−9
17	7.02	+3	44.93	+8	34.13	−6	68.33	0	63.14	−1	56.23	−9
18	7.24	+5	45.05	+6	34.15	−6	68.03	+3	62.98	−4	56.04	−7
19	7.46	+6	45.17	+4	34.18	−5	67.73	+7	62.82	−6	55.84	−3
20	7.68	+7	45.30	+1	34.22	−3	67.42	+8	62.67	−7	55.63	+1
21	7.90	+6	45.44	−4	34.26	0	67.12	+9	62.51	−7	55.43	+5
22	8.11	+4	45.58	−8	34.30	+3	66.82	+9	62.36	−6	55.22	+8
23	8.32	+1	45.73	−10	34.35	+6	66.52	+7	62.22	−4	55.00	+11
24	8.53	−1	45.88	−12	34.40	+8	66.22	+3	62.07	−1	54.78	+12
25	8.74	−4	46.04	−11	34.46	+8	65.92	−1	61.93	+2	54.56	+11
26	8.95	−6	46.20	−7	34.52	+7	65.62	−5	61.79	+5	54.33	+9
27	9.15	−6	46.37	−3	34.59	+4	65.33	−7	61.66	+6	54.10	+4
28	9.34	−5	46.54	+1	34.66	+1	65.03	−7	61.53	+6	53.86	−2
29	9.54	−2	46.72	+5	34.74	−3	64.74	−5	61.40	+5	53.61	−5
30	9.73	+1	46.90	+8	34.82	−6	64.45	−2	61.27	+2	53.37	−7
31	9.92	+4	47.09	+9	34.91	−7	64.16	+1	61.15	−2	53.13	−7
Sept. 1	10.11	+6	47.29	+7	35.00	−7	63.88	+4	61.03	−5	52.88	−6
2	10.29	+7	47.49	+4	35.09	−5	63.59	+7	60.91	−7	52.63	−3
3	10.48	+6	47.70	0	35.19	−2	63.31	+8	60.80	−7	52.37	0
4	10.66	+4	47.91	−3	35.30	+1	63.03	+6	60.69	−6	52.11	+3
5	10.83	0	48.12	−5	35.41	+4	62.75	+3	60.58	−2	51.85	+6
6	11.00	−3	48.34	−6	35.52	+5	62.48	−2	60.48	+1	51.59	+6
7	11.17	−6	48.57	−4	35.64	+6	62.21	−7	60.38	+4	51.32	+4
8	11.34	−7	48.80	−2	35.76	+4	61.95	−10	60.28	+7	51.05	+2
9	11.50	−7	49.02	+1	35.89	+2	61.68	−10	60.19	+8	50.78	−1
10	11.66	−6	49.25	+4	36.02	0	61.42	−10	60.10	+8	50.50	−4
11	11.81	−4	49.49	+8	36.15	−3	61.15	−8	60.02	+6	50.22	−7
12	11.96	−1	49.74	+9	36.29	−5	60.88	−6	59.94	+4	49.94	−9
13	12.11	+2	49.99	+9	36.44	−6	60.62	−2	59.86	+1	49.65	−9
14	12.25	+4	50.25	+8	36.59	−6	60.37	+3	59.79	−2	49.36	−7
15	12.39	+6	50.51	+5	36.74	−5	60.12	+6	59.73	−5	49.07	−5
16	12.53	+6	50.77	+2	36.90	−3	59.87	+9	59.66	−6	48.78	−2
sec δ, tg δ	11.90		−11.86		12.29		−12.25		10.79		−10.74	

1917	Octantis 20 G. 7^m				Octantis 26 G. 6^m – 7^m				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	14^h 46^m	in s 0.01	−87° 49′	in ″ 0.01	16^h 29^m	in s 0.01	−86° 13′	in ″ 0.01	18^h 6^m	in s 0.01	−87° 40′	in ″ 0.01
Aug. 10	31.76	+ 1	25.07	+ 6	68.69	− 3	24.54	+ 6	70.16	− 8	6.06	+ 6
11	31.25	+ 9	25.06	+ 7	68.43	+ 2	24.66	+ 8	69.85	− 3	6.28	+ 9
12	30.73	+15	25.05	+ 5	68.16	+ 6	24.77	+ 8	69.53	+ 4	6.50	+10
13	30.22	+19	25.03	+ 2	67.89	+ 9	24.88	+ 7	69.20	+10	6.72	+ 8
14	29.71	+19	25.01	− 1	67.62	+11	24.99	+ 3	68.87	+14	6.93	+ 6
15	29.19	+16	24.98	− 5	67.34	+11	25.09	0	68.53	+16	7.14	+ 3
16	28.68	+11	24.94	− 7	67.07	+ 9	25.18	− 4	68.18	+16	7.34	− 2
17	28.17	+ 4	24.90	− 7	66.79	+ 6	25.26	− 7	67.83	+13	7.54	− 5
18	27.66	− 3	24.86	− 8	66.50	+ 2	25.34	− 8	67.47	+ 8	7.73	− 8
19	27.15	−10	24.82	− 7	66.22	− 2	25.42	− 8	67.10	+ 1	7.92	− 9
20	26.64	−15	24.76	− 3	65.93	− 7	25.49	− 7	66.73	− 6	8.11	− 8
21	26.13	−18	24.70	0	65.65	−10	25.56	− 4	66.35	−12	8.29	− 6
22	25.62	−18	24.63	+ 3	65.36	−12	25.62	0	65.96	−17	8.47	− 3
23	25.12	−16	24.55	+ 7	65.07	−12	25.67	+ 4	65.57	−20	8.65	− 1
24	24.62	−10	24.46	+10	64.78	−11	25.72	+ 7	65.17	−20	8.82	+ 3
25	24.12	− 3	24.37	+11	64.48	− 7	25.77	+ 9	64.76	−16	8.98	+ 8
26	23.62	+ 4	24.28	+10	64.19	− 3	25.81	+10	64.35	−10	9.14	+ 9
27	23.13	+10	24.18	+ 7	63.89	+ 2	25.84	+ 9	63.94	− 2	9.29	+ 9
28	22.64	+13	24.07	+ 2	63.60	+ 6	25.87	+ 6	63.52	+ 5	9.44	+ 7
29	22.15	+13	23.96	− 2	63.30	+ 8	25.89	+ 1	63.09	+11	9.58	+ 3
30	21.67	+ 9	23.84	− 6	63.00	+ 8	25.91	− 4	62.66	+14	9.71	− 2
31	21.19	+ 2	23.71	− 9	62.70	+ 5	25.92	− 8	62.22	+12	9.84	− 6
Sept. 1	20.71	− 5	23.58	−10	62.40	+ 1	25.92	−10	61.78	+ 8	9.97	− 9
2	20.24	−11	23.45	− 8	62.10	− 3	25.91	−10	61.33	+ 2	10.09	−10
3	19.77	−15	23.31	− 4	61.80	− 6	25.90	− 7	60.88	− 5	10.21	− 8
4	19.31	−14	23.17	0	61.50	− 8	25.89	− 3	60.43	− 9	10.32	− 5
5	18.85	− 9	23.02	+ 3	61.20	− 7	25.88	+ 1	59.97	−11	10.42	0
6	18.39	− 2	22.86	+ 6	60.90	− 4	25.85	+ 5	59.50	− 9	10.52	+ 4
7	17.94	+ 6	22.70	+ 7	60.60	0	25.81	+ 8	59.03	− 4	10.62	+ 8
8	17.49	+13	22.54	+ 5	60.29	+ 5	25.77	+ 9	58.56	+ 2	10.71	+10
9	17.05	+18	22.37	+ 3	59.99	+ 9	25.73	+ 7	58.09	+ 8	10.79	+ 9
10	16.62	+20	22.19	− 1	59.69	+11	25.68	+ 4	57.61	+14	10.87	+ 7
11	16.19	+18	22.01	− 4	59.40	+12	25.62	0	57.13	+17	10.95	+ 4
12	15.77	+14	21.83	− 7	59.10	+11	25.55	− 4	56.64	+17	11.02	0
13	15.35	+ 7	21.65	− 9	58.80	+ 8	25.49	− 7	56.16	+15	11.09	− 4
14	14.94	0	21.45	−10	58.50	+ 4	25.42	− 8	55.67	+11	11.15	− 7
15	14.53	− 7	21.25	− 8	58.21	0	25.35	− 9	55.18	+ 5	11.20	− 8
16	14.13	−12	21.04	− 5	57.91	− 5	25.27	− 7	54.68	− 2	11.24	− 8
sec δ, tg δ	87° 49′ 20″	26.315	−26.296		15.18		−15.15		87° 40′ 0″	24.562	−24.542	
	30	26.348	−26.329						10	24.591	−24.571	

Scheinbare Sternörter 1917

1917	σ Octantis 6ᵐ				β Octantis 4ᵐ.1				τ Octantis 6ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	19ʰ 30ᵐ	in ˢ 0.01	−89° 13′	in ″ 0.01	22ʰ 37ᵐ	in ˢ 0.01	−81° 48′	in ″ 0.01	23ʰ 16ᵐ	in ˢ 0.01	−87° 55′	in ″ 0.01
	ˢ		″		ˢ		″		ˢ		″	
Aug. 10	45.93	−30	30.13	+ 5	54.37	− 4	35.95	− 2	51.58	−13	48.50	− 3
11	45.44	−21	30.41	+ 8	54.44	− 4	36.20	+ 2	51.91	−17	48.73	+ 1
12	44.92	− 6	30.69	+10	54.51	− 3	36.45	+ 6	52.24	−16	48.97	+ 5
13	44.37	+12	30.97	+10	54.58	− 2	36.71	+ 9	52.56	−12	49.21	+ 8
14	43.80	+28	31.24	+ 8	54.64	0	36.97	+10	52.87	− 6	49.46	+ 9
15	43.20	+39	31.51	+ 5	54.70	+ 2	37.23	+10	53.17	+ 1	49.72	+ 9
16	42.57	+44	31.78	+ 2	54.76	+ 4	37.49	+ 7	53.46	+ 8	49.98	+ 8
17	41.92	+42	32.04	− 2	54.81	+ 4	37.76	+ 4	53.74	+13	50.24	+ 6
18	41.23	+33	32.30	− 6	54.86	+ 4	38.03	0	54.01	+16	50.49	+ 2
19	40.52	+18	32.55	− 8	54.91	+ 4	38.30	− 4	54.27	+16	50.75	− 2
20	39.79	− 1	32.81	− 9	54.96	+ 2	38.58	− 7	54.52	+13	51.01	− 6
21	39.03	−21	33.06	− 8	55.01	0	38.86	− 9	54.77	+ 8	51.27	− 8
22	38.25	−39	33.31	− 6	55.05	− 2	39.13	−10	55.00	+ 1	51.54	−10
23	37.44	−53	33.56	− 4	55.09	− 4	39.41	−10	55.22	− 7	51.82	−11
24	36.60	−58	33.81	0	55.13	− 5	39.69	− 8	55.43	−14	52.10	− 9
25	35.74	−55	34.04	+ 4	55.16	− 6	39.97	− 5	55.63	−18	52.38	− 6
26	34.85	−41	34.28	+ 7	55.19	− 5	40.25	− 1	55.82	−19	52.66	− 3
27	33.94	−20	34.51	+ 8	55.21	− 4	40.53	+ 3	56.01	−16	52.95	+ 1
28	33.01	+ 3	34.74	+ 7	55.24	− 2	40.82	+ 6	56.18	−10	53.24	+ 5
29	32.05	+25	34.98	+ 4	55.26	+ 1	41.11	+ 7	56.34	− 1	53.52	+ 7
30	31.07	+39	35.21	+ 1	55.28	+ 3	41.41	+ 6	56.49	+ 8	53.81	+ 7
31	30.06	+43	35.43	− 3	55.30	+ 5	41.70	+ 4	56.63	+15	54.10	+ 5
Sept. 1	29.04	+37	35.65	− 7	55.31	+ 5	41.99	0	56.76	+19	54.39	+ 2
2	27.99	+21	35.87	− 9	55.32	+ 4	42.29	− 3	56.88	+18	54.68	− 2
3	26.92	− 1	36.08	− 8	55.33	+ 3	42.58	− 5	56.99	+13	54.98	− 4
4	25.82	−16	36.29	− 6	55.33	+ 1	42.87	− 6	57.08	+ 5	55.27	− 6
5	24.71	−28	36.49	− 2	55.34	− 2	43.16	− 5	57.17	− 4	55.57	− 6
6	23.57	−31	36.69	+ 2	55.34	− 4	43.45	− 2	57.25	−11	55.87	− 5
7	22.41	−24	36.88	+ 6	55.33	− 4	43.74	+ 1	57.31	−15	56.17	− 1
8	21.24	−10	37.06	+ 9	55.33	− 3	44.04	+ 5	57.36	−16	56.47	+ 4
9	20.04	+ 7	37.25	+10	55.32	− 2	44.34	+ 8	57.41	−13	56.77	+ 7
10	18.83	+25	37.43	+ 9	55.31	0	44.64	+10	57.44	− 8	57.07	+ 9
11	17.59	+38	37.61	+ 6	55.29	+ 2	44.93	+10	57.45	− 1	57.38	+10
12	16.34	+45	37.78	+ 2	55.27	+ 3	45.23	+ 9	57.46	+ 6	57.69	+ 9
13	15.06	+46	37.95	− 2	55.25	+ 4	45.52	+ 6	57.46	+12	58.00	+ 7
14	13.77	+39	38.12	− 5	55.23	+ 5	45.82	+ 3	57.45	+15	58.31	+ 4
15	12.46	+26	38.27	− 7	55.20	+ 4	46.11	− 1	57.42	+16	58.62	0
16	11.14	+ 9	38.41	− 9	55.17	+ 3	46.40	− 5	57.39	+14	58.92	− 4
sec δ, tg δ	89° 13′ 30″	73.932	−73.926		7.02		−6.95		87° 55′ 50″	27.693	−27.675	
	40	74.198	−74.191						60	27.730	−27.712	

1917	Octantis 4 G. 6m				ζ Octantis 6m–5m				ι Octantis 6m–5m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	1h 42m s	in s 0.01	−85° 10' "	in " 0.01	9h 8m s	in s 0.01	−85° 19' "	in " 0.01	12h 45m s	in s 0.01	−84° 40' "	in " 0.01
Sept. 16	12.53	+ 6	50.77	+ 2	36.90	− 3	59.87	+ 9	59.66	− 6	48.78	− 2
17	12.66	+ 6	51.03	− 2	37.06	− 1	59.62	+ 9	59.60	− 7	48.48	+ 3
18	12.78	+ 5	51.29	− 6	37.23	+ 2	59.38	+ 9	59.55	− 6	48.18	+ 7
19	12.91	+ 2	51.56	− 9	37.40	+ 5	59.15	+ 7	59.50	− 5	47.88	+ 9
20	13.03	0	51.83	−10	37.57	+ 7	58.91	+ 4	59.45	− 2	47.57	+11
21	13.14	− 3	52.11	−11	37.74	+ 8	58.68	0	59.40	+ 1	47.27	+11
22	13.25	− 5	52.39	− 9	37.92	+ 7	58.45	− 3	59.36	+ 4	46.97	+ 9
23	13.36	− 6	52.67	− 5	38.11	+ 5	58.23	− 6	59.33	+ 6	46.67	+ 6
24	13.46	− 6	52.95	− 1	38.30	+ 2	58.01	− 7	59.30	+ 6	46.36	+ 1
25	13.56	− 4	53.24	+ 3	38.49	− 1	57.80	− 7	59.27	+ 5	46.06	− 4
26	13.65	− 1	53.53	+ 6	38.68	− 4	57.59	− 4	59.25	+ 3	45.75	− 7
27	13.74	+ 3	53.82	+ 8	38.88	− 6	57.39	0	59.23	0	45.43	− 7
28	13.83	+ 5	54.11	+ 8	39.08	− 7	57.20	+ 4	59.22	− 4	45.12	− 7
29	13.91	+ 7	54.40	+ 4	39.29	− 5	57.01	+ 7	59.21	− 6	44.82	− 5
30	13.99	+ 7	54.69	+ 1	39.50	− 3	56.83	+ 8	59.20	− 7	44.51	− 1
Okt. 1	14.06	+ 5	54.99	− 3	39.71	0	56.64	+ 8	59.20	− 7	44.20	+ 2
2	14.12	+ 2	55.30	− 6	39.93	+ 3	56.46	+ 5	{59.20 {59.21	− 4 − 1	43.88 43.56	+ 5 + 7
3	14.19	− 2	55.61	− 7	40.15	+ 5	56.29	+ 1	59.23	+ 3	43.25	+ 6
4	14.25	− 5	55.92	− 6	40.37	+ 6	56.13	− 3	59.25	+ 6	42.94	+ 3
5	14.30	− 7	56.24	− 3	40.59	+ 5	55.96	− 7	59.27	+ 8	42.64	− 1
6	14.34	− 7	56.55	0	40.82	+ 3	55.80	−10	59.29	+ 8	42.33	− 5
7	14.38	− 7	56.87	+ 4	41.06	+ 1	55.64	−11	59.32	+ 7	42.02	− 8
8	14.42	− 5	57.19	+ 7	41.29	− 2	55.49	− 9	59.35	+ 5	41.71	−10
9	14.46	− 2	57.51	+ 9	41.52	− 4	55.35	− 6	59.39	+ 2	41.40	−10
10	14.49	+ 1	57.83	+ 9	41.76	− 6	55.22	− 3	59.44	− 1	41.09	− 8
11	14.51	+ 3	58.15	+ 9	42.00	− 6	55.09	0	59.49	− 4	40.78	− 6
12	14.53	+ 5	58.46	+ 6	42.24	− 6	54.96	+ 4	59.54	− 6	40.48	− 3
13	14.54	+ 6	58.78	+ 3	42.49	− 4	54.84	+ 7	59.60	− 7	40.18	+ 1
14	14.55	+ 6	59.11	− 1	42.74	− 2	54.73	+ 8	59.66	− 7	39.87	+ 4
15	14.55	+ 5	59.43	− 5	42.99	+ 1	54.62	+ 9	59.73	− 5	39.57	+ 9
16	14.55	+ 3	59.75	− 8	43.24	+ 3	54.51	+ 8	59.80	− 3	39.26	+11
17	14.55	0	60.08	−10	43.50	+ 6	54.41	+ 5	59.87	0	38.96	+11
18	14.54	− 2	60.41	−10	43.76	+ 7	54.32	+ 1	59.95	+ 3	38.66	+10
19	14.52	− 5	60.73	−10	44.02	+ 7	54.24	− 2	60.04	+ 5	38.37	+ 7
20	14.50	− 6	61.05	− 6	44.28	+ 6	54.16	− 5	60.13	+ 6	38.09	+ 2
21	14.47	− 6	61.37	− 3	44.54	+ 3	54.09	− 7	60.22	+ 6	37.80	− 2
22	14.44	− 5	61.69	+ 2	44.80	0	54.02	− 7	60.32	+ 4	37.51	− 5
23	14.41	− 2	62.00	+ 6	45.07	− 3	53.96	− 5	60.42	+ 1	37.23	− 8
sec δ, tg δ	11.90		−11.86		12.29		−12.25		10.78		−10.74	

1917	Octantis 20 G. 7^m				Octantis 26 G. $6^m - 7^m$				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$14^h 46^m$ s	in s 0.01	−87° 49′ ″	in ″ 0.01	$16^h 29^m$ s	in s 0.01	−86° 13′ ″	in ″ 0.01	$18^h 6^m$ s	in s 0.01	−87° 40′ ″	in ″ 0.01
Sept. 16	14.13	−12	21.04	− 5	57.91	− 5	25.27	− 7	54.68	− 2	11.24	− 8
17	13.74	−16	20.83	− 2	57.62	− 8	25.18	− 5	54.19	− 9	11.28	− 7
18	13.35	−18	20.61	+ 2	57.33	−10	25.08	− 2	53.69	−14	11.31	− 5
19	12.97	−16	20.39	+ 5	57.04	−12	24.97	+ 2	53.19	−18	11.34	− 2
20	12.60	−12	20.16	+ 8	56.75	−11	24.86	+ 6	52.69	−19	11.36	+ 2
21	12.24	− 6	19.93	+10	56.46	− 8	24.75	+ 9	52.18	−17	11.38	+ 6
22	11.88	+ 1	19.69	+11	56.18	− 4	24.63	+10	51.68	−12	11.39	+ 9
23	11.53	+ 8	19.46	+ 8	55.90	+ 1	24.51	+10	51.18	− 5	11.39	+ 9
24	11.19	+12	19.22	+ 4	55.62	+ 5	24.38	+ 7	50.67	+ 3	11.39	+ 7
25	10.85	+13	18.98	0	55.34	+ 7	24.25	+ 2	50.17	+10	11.38	+ 5
26	10.52	+10	18.74	− 4	55.06	+ 8	24.11	− 3	49.66	+12	11.37	+ 1
27	10.21	+ 4	18.49	− 7	54.79	+ 6	23.97	− 7	49.16	+12	11.35	− 4
28	9.90	− 3	18.23	− 9	54.52	+ 2	23.82	−10	48.65	+ 9	11.32	− 8
29	9.60	−10	17.97	− 7	54.25	− 2	23.67	−10	48.15	+ 3	11.28	−10
30	9.31	−15	17.71	− 4	53.98	− 6	23.51	− 8	47.65	− 4	11.24	− 9
Okt. 1	9.03	−16	17.45	− 1	53.72	− 8	23.34	− 4	47.14	− 9	11.20	− 7
2	8.75	−13	17.18	+ 3	53.46	− 8	23.17	0	46.64	−12	11.16	− 2
3	8.48	− 6	16.91	+ 6	53.21	− 6	22.99	+ 4	46.14	−10	11.11	+ 3
4	8.22	+ 2	16.64	+ 7	52.96	− 2	22.80	+ 8	45.64	− 6	11.05	+ 6
5	7.97	+10	16.36	+ 7	52.71	+ 3	22.62	+ 9	45.14	− 1	10.98	+ 9
6	7.74	+17	16.08	+ 5	52.46	+ 7	22.43	+ 7	44.64	+ 6	10.90	+ 9
7	7.51	+20	15.80	+ 2	52.22	+11	22.23	+ 4	44.15	+12	10.81	+ 8
8	7.29	+19	15.51	− 3	51.98	+12	22.02	+ 1	43.66	+16	10.72	+ 5
9	7.09	+16	15.22	− 7	51.75	+12	21.81	− 3	43.17	+18	10.63	+ 1
10	6.90	+10	14.93	− 8	51.52	+ 9	21.60	− 6	42.68	+17	10.53	− 2
11	6.71	+ 3	14.63	− 8	51.30	+ 6	21.39	− 7	42.20	+13	10.42	− 5
12	6.53	− 4	14.32	− 8	51.08	+ 2	21.17	− 8	41.72	+ 8	10.31	− 8
13	6.36	−10	14.02	− 6	50.86	− 3	20.94	− 7	41.24	+ 1	10.20	− 9
14	6.20	−15	13.72	− 4	50.64	− 7	20.71	− 6	40.77	− 6	10.08	− 8
15	6.05	−17	13.42	0	50.44	−10	20.47	− 3	40.30	−12	9.95	− 6
16	5.92	−16	13.12	+ 5	50.24	−11	20.24	+ 1	39.83	−16	9.82	− 3
17	5.79	−13	12.81	+ 8	50.04	−11	20.00	+ 5	39.37	−18	9.68	+ 1
18	5.68	− 8	12.49	+10	49.84	− 9	19.75	+ 8	38.91	−17	9.53	+ 5
19	5.58	− 1	12.18	+10	49.65	− 5	19.50	+ 9	38.46	−13	9.38	+ 8
20	5.48	+ 7	11.87	+ 8	49.47	− 1	19.25	+10	38.01	− 7	9.23	+ 9
21	5.40	+12	11.56	+ 6	49.29	+ 4	18.99	+ 8	37.56	0	9.07	+ 8
22	5.33	+14	11.24	+ 2	49.12	+ 7	18.73	+ 5	37.12	+ 7	8.91	+ 6
23	5.27	+12	10.93	− 3	48.95	+ 8	18.46	0	36.69	+12	8.74	+ 2
sec δ, tg δ	87° 49′ 10″	26.282	−26.263		15.18		−15.14		87° 40′ 0″	24.562	−24.542	
	20	26.315	−26.296						10	24.591	−24.571	

1917	σ Octantis 6^m				β Octantis 4^m.1				τ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	19^h 29^m	in 0.01^s	−89° 13′	in 0.01″	22^h 37^m	in 0.01^s	−81° 48′	in 0.01″	23^h 16^m	in 0.01^s	−87° 55′	in 0.01″
Sept. 16	71.14^s	+ 9	38.41″	− 9	55.17^s	+ 3	46.40″	− 5	57.39^s	+14	58.92″	− 4
17	69.80	−11	38.55	− 8	55.14	+ 1	46.69	− 8	57.34	+10	59.23	− 7
18	68.44	−30	38.68	− 7	55.11	− 1	46.98	−10	57.28	+ 4	59.55	−10
19	67.07	−46	38.82	− 6	55.07	− 3	47.27	−10	57.21	− 4	59.86	−10
20	65.69	−55	38.95	− 2	55.03	− 5	47.56	− 9	57.13	−11	60.18	− 9
21	64.29	−55	39.07	+ 3	54.99	− 6	47.85	− 6	57.04	−16	60.49	− 8
22	62.88	−46	39.18	+ 6	54.94	− 6	48.14	− 2	56.93	−19	60.79	− 4
23	61.45	−29	39.30	+ 8	54.89	− 5	48.42	+ 2	56.82	−18	61.09	0
24	60.01	− 7	39.41	+ 8	54.84	− 2	48.70	+ 5	56.70	−13	61.39	+ 3
25	58.57	+15	39.51	+ 7	54.79	0	48.98	+ 6	56.56	− 5	61.68	+ 6
26	57.11	+32	39.61	+ 3	54.73	+ 2	49.26	+ 6	56.41	+ 4	61.98	+ 7
27	55.64	+40	39.71	− 1	54.67	+ 4	49.54	+ 4	56.25	+13	62.28	+ 5
28	54.15	+37	39.80	− 6	54.61	+ 5	49.81	+ 1	56.08	+17	62.57	+ 2
29	52.66	+24	39.88	− 9	54.55	+ 4	50.09	− 3	55.90	+18	62.87	− 1
30	51.16	+ 6	39.95	− 9	54.48	+ 3	50.36	− 6	55.71	+15	63.17	− 5
Okt. 1	49.65	−13	40.02	− 8	54.41	+ 1	50.63	− 7	55.50	+ 8	63.46	− 7
2	48.13	−27	40.08	− 5	54.34	− 1	50.90	− 6	55.29	− 1	63.75	− 7
3	46.61	−34	40.13	− 1	54.27	− 3	51.16	− 3	55.07	− 9	64.04	− 5
4	45.08	−30	40.18	+ 4	54.19	− 4	51.42	0	54.84	−15	64.33	− 2
5	43.54	−18	40.23	+ 9	54.11	− 4	51.68	+ 4	54.59	−17	64.61	+ 2
6	42.00	0	40.27	+10	54.03	− 3	51.93	+ 7	54.33	−15	64.89	+ 6
7	40.45	+19	40.31	+ 9	53.94	− 1	52.18	+ 9	54.07	−10	65.16	+ 9
8	38.90	+35	40.34	+ 8	53.86	+ 1	52.42	+10	53.79	− 4	65.44	+10
9	37.34	+45	40.35	+ 4	53.77	+ 3	52.67	+ 9	53.50	+ 4	65.72	+10
10	35.78	+48	40.35	0	53.68	+ 4	52.91	+ 7	53.21	+10	66.00	+ 8
11	34.22	+44	40.36	− 4	53.58	+ 5	53.15	+ 4	52.90	+14	66.27	+ 5
12	32.65	+33	40.36	− 6	53.49	+ 5	53.39	0	52.58	+16	66.53	+ 2
13	31.09	+17	40.35	− 8	53.39	+ 4	53.62	− 4	52.25	+15	66.79	− 2
14	29.52	− 2	40.33	− 8	53.29	+ 2	53.85	− 7	51.92	+12	67.04	− 5
15	27.95	−21	40.32	− 7	53.19	0	54.08	− 9	51.57	+ 6	67.29	− 8
16	26.39	−38	40.30	− 6	53.09	− 2	54.30	−10	51.21	− 1	67.54	− 9
17	24.82	−50	40.26	− 3	52.98	− 4	54.51	− 8	50.84	− 8	67.79	−10
18	23.26	−54	40.22	+ 1	52.87	− 5	54.71	− 6	50.47	−14	68.05	− 8
19	21.70	−48	40.17	+ 6	52.76	− 6	54.92	− 3	50.09	−18	68.30	− 4
20	20.14	−34	40.12	+ 8	52.65	− 5	55.13	+ 1	49.69	−18	68.55	0
21	18.59	−14	40.06	+ 9	52.54	− 3	55.34	+ 5	49.29	−15	68.79	+ 3
22	17.04	+ 9	40.00	+ 8	52.43	− 1	55.54	+ 7	48.88	− 8	69.02	+ 6
23	15.50	+27	39.93	+ 5	52.31	+ 2	55.74	+ 6	48.46	+ 1	69.25	+ 7
sec δ, tg δ	89° 13′ 30″	73.932	−73.926		7.02		−6.95		87° 56′ 0″	27.730	−27.712	
	40	74.198	−74.191						10	27.767	−27.749	

1917	Octantis 4 G. 6^m				ζ Octantis 6^m-5^m				ι Octantis 6^m-5^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$1^h 42^m$	in ^{s} 0.01	−85° 11′	in ″ 0.01	$9^h 8^m$	in ^{s} 0.01	−85° 19′	in ″ 0.01	$12^h 46^m$	in ^{s} 0.01	−84° 40′	in ″ 0.01
	s		″		s		″		s		″	
Okt. 23	14.41	− 2	2.00	+ 6	45.07	− 3	53.96	− 5	0.42	+ 1	37.23	− 8
24	14.37	+ 1	2.32	+ 8	45.33	− 6	53.91	− 1	0.53	− 2	36.95	− 8
25	14.32	+ 4	2.64	+ 7	45.60	− 7	53.86	+ 3	0.64	− 5	36.68	− 6
26	14.27	+ 7	2.96	+ 5	45.87	− 6	53.82	+ 7	0.75	− 7	36.40	− 2
27	14.22	+ 7	3.28	+ 2	46.14	− 4	53.78	+ 8	0.87	− 7	36.12	+ 1
28	14.16	+ 6	3.59	− 2	46.41	− 1	53.75	+ 9	0.99	− 6	35.85	+ 5
29	14.09	+ 3	3.91	− 5	46.68	+ 2	53.73	+ 6	1.12	− 3	35.59	+ 8
30	14.02	0	4.22	− 7	46.95	+ 5	53.72	+ 2	1.25	+ 1	35.33	+ 7
31	13.95	− 3	4.54	− 7	47.22	+ 6	53.71	− 2	1.39	+ 4	35.07	+ 5
Nov. 1	13.87	− 6	4.85	− 5	47.50	+ 6	53.71	− 7	1.53	+ 7	34.81	+ 2
2	13.78	− 7	5.16	− 1	47.77	+ 4	53.72	−10	1.67	+ 8	34.56	− 2
3	13.69	− 7	5.46	+ 2	48.05	+ 2	53.73	−11	1.82	+ 7	34.31	− 5
4	13.60	− 6	5.77	+ 6	48.32	− 1	53.75	−10	1.97	+ 6	34.07	− 9
5	13.50	− 3	6.07	+ 8	48.59	− 4	53.78	− 7	2.12	+ 3	33.83	−10
6	13.40	0	6.37	+ 9	48.87	− 5	53.82	− 4	2.28	0	33.59	− 9
7	13.29	+ 2	6.67	+ 8	49.14	− 6	53.86	0	2.45	− 3	33.35	− 7
8	13.18	+ 4	6.96	+ 7	49.42	− 6	53.90	+ 3	2.61	− 5	33.12	− 5
9	13.06	+ 6	7.25	+ 4	49.69	− 5	53.95	+ 7	2.78	− 6	32.89	− 1
10	12.94	+ 6	7.54	0	49.97	− 3	54.01	+ 8	2.96	− 7	32.67	+ 2
11	12.82	+ 6	7.83	− 3	50.24	0	54.07	+ 9	3.14	− 6	32.45	+ 6
12	12.69	+ 4	8.12	− 7	50.51	+ 2	54.14	+ 9	3.32	− 4	32.23	+ 9
13	12.55	+ 1	8.41	− 9	50.78	+ 5	54.22	+ 6	3.50	− 2	32.02	+10
14	12.41	− 1	8.69	−10	51.05	+ 7	54.30	+ 3	3.69	+ 2	31.82	+10
15	12.27	− 4	8.97	− 9	51.32	+ 7	54.39	− 1	3.88	+ 4	31.61	+ 8
16	12.12	− 6	9.24	− 7	51.59	+ 6	54.49	− 5	4.08	+ 6	31.41	+ 4
17	11.97	− 6	9.51	− 3	51.86	+ 4	54.59	− 6	4.27	+ 6	31.22	0
18	11.81	− 5	9.78	+ 1	52.13	+ 1	54.70	− 7	4.47	+ 5	31.04	− 4
19	11.65	− 3	10.04	+ 5	52.40	− 2	54.82	− 6	4.68	+ 3	30.85	− 8
20	11.49	0	10.29	+ 8	52.66	− 5	54.94	− 2	4.89	− 1	30.67	− 8
21	11.32	+ 3	10.54	+ 8	52.92	− 7	55.07	+ 2	5.10	− 4	30.50	− 6
22	11.15	+ 6	10.79	+ 7	53.19	− 7	55.21	+ 5	5.31	− 6	30.34	− 4
23	10.97	+ 7	11.04	+ 3	53.45	− 5	55.36	+ 7	5.52	− 7	30.19	0
24	10.79	+ 7	11.28	− 1	53.70	− 2	55.51	+ 8	5.74	− 6	30.04	+ 3
25	10.61	+ 4	11.51	− 4	53.96	+ 1	55.66	+ 8	5.96	− 4	29.89	+ 6
26	10.42	+ 1	11.74	− 7	54.21	+ 4	55.82	+ 5	6.19	− 1	29.75	+ 7
27	10.23	− 2	11.97	− 7	54.46	+ 6	55.99	0	6.41	+ 3	29.61	+ 6
28	10.04	− 5	12.19	− 6	54.72	+ 6	56.17	− 5	6.64	+ 6	29.48	+ 4
29	9.84	− 7	12.41	− 3	54.97	+ 5	56.34	− 8	6.87	+ 8	29.36	0
sec δ, tg δ	11.91		−11.87		12.29		−12.25		10.78		−10.73	

1917	Octantis 20 G. 7ᵐ				Octantis 26 G. 6ᵐ – 7ᵐ				χ Octantis 6ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$14^h 46^m$	in s 0.01	−87° 48′	in ″ 0.01	$16^h 29^m$	in s 0.01	−86° 13′	in ″ 0.01	$18^h 6^m$	in s 0.01	−87° 39′	in ″ 0.01
Okt. 23	5.27	+12	70.93	−3	48.95	+8	18.46	0	36.69	+12	68.74	+2
24	5.22	+7	70.62	−7	48.78	+7	18.19	−5	36.26	+13	68.56	−3
25	5.18	0	70.31	−8	48.62	+4	17.92	−9	35.84	+10	68.37	−7
26	5.15	−8	69.99	−8	48.47	−1	17.65	−11	35.42	+5	68.18	−10
27	5.14	−14	69.67	−5	48.33	−5	17.37	−9	35.01	−2	67.99	−9
28	5.13	−17	69.35	−2	48.18	−8	17.08	−5	34.61	−8	67.79	−7
29	5.14	−15	69.02	+2	48.05	−9	16.80	0	34.21	−12	67.58	−4
30	5.15	−10	68.70	+5	47.92	−8	16.51	+4	33.82	−13	67.37	+1
31	5.18	−2	68.38	+7	47.80	−5	16.22	+7	33.43	−10	67.16	+5
Nov. 1	5.22	+7	68.07	+8	47.68	0	15.92	+8	33.05	−5	66.94	+8
2	{5.28 5.34	+14 +19	67.75 67.43	+6 +3	47.57	+5	15.63	+9	32.68	+2	66.71	+10
3	5.41	+20	67.11	0	47.46	+9	15.34	+7	32.32	+9	66.48	+9
4	5.50	+18	66.80	−4	47.36	+12	15.04	+3	31.96	+15	66.25	+6
5	5.60	+13	66.48	−6	47.27	+12	14.74	−2	31.61	+18	66.01	+3
6	5.70	+6	66.16	−7	47.18	+11	14.43	−5	31.27	+17	65.77	−1
7	5.82	−1	65.84	−7	47.10	+7	14.12	−7	30.94	+15	65.52	−4
8	5.96	−8	65.52	−7	47.03	+3	13.81	−8	30.61	+10	65.27	−7
9	6.10	−13	65.20	−5	46.96	−1	13.49	−9	30.29	+4	65.01	−9
10	6.25	−16	64.89	−2	46.90	−5	13.18	−7	29.98	−3	64.75	−9
11	6.42	−17	64.58	+2	46.84	−8	12.87	−5	29.68	−9	64.49	−7
12	6.59	−15	64.27	+5	46.79	−11	12.56	−1	29.39	−15	64.22	−4
13	6.78	−10	63.96	+8	46.75	−11	12.24	+4	29.11	−17	63.95	0
14	6.98	−3	63.66	+9	46.72	−10	11.93	+7	28.83	−18	63.68	+3
15	7.19	+4	63.36	+9	46.69	−7	11.61	+10	28.56	−15	63.40	+7
16	7.41	+10	63.06	+7	46.66	−2	11.29	+9	28.30	−9	63.12	+9
17	7.64	+14	62.76	+3	46.65	+3	10.98	+8	28.06	−2	62.83	+10
18	7.88	+14	62.46	−1	46.64	+6	10.65	+5	27.82	+6	62.54	+7
19	8.14	+11	62.16	−5	46.64	+9	10.32	+1	27.59	+11	62.25	+4
20	8.40	+4	61.87	−7	46.64	+8	10.00	−3	27.37	+14	61.97	0
21	8.67	−4	61.58	−8	46.65	+6	9.67	−7	27.16	+13	61.68	−5
22	8.96	−11	61.29	−7	46.67	+2	9.35	−9	26.95	+8	61.38	−8
23	9.25	−16	61.01	−4	46.69	−3	9.03	−10	26.76	+2	61.07	−10
24	9.56	−16	60.73	0	46.72	−7	8.71	−7	26.58	−6	60.77	−9
25	9.88	−13	60.45	+3	46.76	−9	8.39	−3	26.41	−11	60.47	−5
26	10.21	−6	60.17	+6	46.81	−9	8.07	+1	26.25	−14	60.15	−1
27	10.54	+3	59.90	+7	46.86	−6	7.75	+6	26.10	−12	59.83	+4
28	10.88	+10	59.63	+6	{46.92 46.98	−2 +3	7.42 7.10	+8 +8	25.96	−8	59.51	+7
29	11.24	+16	59.37	+4	47.05	+7	6.79	+7	25.83	−1	59.19	+10
sec δ, tg δ	87° 49′ 0″ 10	26.249 26.282	−26.230 −26.263		15.17		−15.14		87° 40′ 0″ 10	24.562 24.591	−24.542 −24.571	

1917	σ Octantis 6^m				β Octantis 4^m.1				τ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	19^h 28^m	in s 0.01	−89° 13′	in ″ 0.01	22^h 37^m	in s 0.01	−81° 48′	in ″ 0.01	23^h 16^m	in s 0.01	−87° 56′	in ″ 0.01
Okt. 23	75.50	+27	39.93	+ 5	52.31	+ 2	55.74	+ 6	48.46	+ 1	9.25	+ 7
24	73.96	+38	39.86	+ 1	52.19	+ 4	55.92	+ 5	48.03	+10	9.47	+ 6
25	72.43	+39	39.78	− 4	52.07	+ 5	56.10	+ 1	47.59	+16	9.68	+ 3
26	70.91	+29	39.70	− 8	51.94	+ 5	56.27	− 2	47.15	+18	9.89	− 1
27	69.39	+11	39.61	−10	51.82	+ 4	56.44	− 5	46.70	+16	10.10	− 4
28	67.88	− 9	39.51	− 9	51.69	+ 2	56.61	− 7	46.24	+10	10.30	− 6
29	66.39	−26	39.40	− 6	51.57	− 1	56.77	− 8	45.77	+ 2	10.50	− 7
30	64.90	−36	39.29	− 2	51.44	− 3	56.93	− 6	45.29	− 6	10.69	− 7
31	63.42	−36	39.17	+ 3	51.31	− 4	57.08	− 3	44.81	−13	10.88	− 5
Nov. 1	61.95	−26	39.04	+ 8	51.18	− 4	57.22	+ 1	44.32	−16	11.07	0
2	60.49	− 9	38.90	+10	51.05	− 3	57.35	+ 5	43.82	−16	11.25	+ 4
3	59.04	+10	38.76	+ 9	50.91	− 2	57.48	+ 9	43.32	−12	11.42	+ 7
4	57.61	+28	38.63	+ 8	50.78	0	57.61	+10	42.81	− 6	11.58	+10
5	56.19	+41	38.49	+ 5	50.64	+ 2	57.73	+10	42.29	+ 1	11.73	+10
6	54.79	+48	38.33	+ 2	50.51	+ 4	57.84	+ 9	41.77	+ 8	11.89	+ 9
7	53.39	+46	38.16	− 2	50.37	+ 5	57.95	+ 6	41.24	+13	12.05	+ 6
8	52.01	+38	37.99	− 6	50.23	+ 5	58.05	+ 2	40.71	+16	12.20	+ 3
9	50.65	+23	37.81	− 8	50.09	+ 4	58.14	− 2	40.17	+16	12.35	− 1
10	49.31	+ 5	37.64	− 8	49.95	+ 3	58.23	− 6	39.62	+14	12.49	− 4
11	47.98	−14	37.46	− 7	49.81	+ 1	58.32	− 8	39.07	+ 9	12.62	− 7
12	46.66	−32	37.27	− 5	49.67	− 1	58.40	− 9	38.51	+ 2	12.74	− 9
13	45.37	−45	37.08	− 2	49.53	− 3	58.48	− 9	37.95	− 5	12.85	−10
14	44.09	−52	36.88	+ 2	49.39	− 5	58.55	− 8	37.38	−12	12.96	− 8
15	42.83	−50	36.67	+ 5	49.24	− 6	58.61	− 5	36.81	−17	13.06	− 5
16	41.59	−38	36.46	+ 7	49.10	− 5	58.66	− 1	36.24	−18	13.16	− 1
17	40.38	−20	36.25	+ 9	48.96	− 4	58.71	+ 3	35.66	−16	13.26	+ 2
18	39.18	+ 3	36.03	+ 7	48.81	− 2	58.76	+ 6	35.08	−11	13.35	+ 5
19	38.00	+23	35.80	+ 5	48.66	+ 1	58.79	+ 7	34.49	− 3	13.44	+ 7
20	36.84	+38	35.57	+ 2	48.52	+ 3	58.83	+ 6	33.90	+ 6	13.52	+ 7
21	35.71	+42	35.34	− 3	48.37	+ 5	58.86	+ 5	33.31	+14	13.58	+ 6
22	34.59	+36	35.10	− 7	48.23	+ 5	58.88	+ 1	32.71	+18	13.64	+ 2
23	33.50	+21	34.86	− 9	48.08	+ 4	58.89	− 4	32.11	+17	13.69	− 2
24	32.43	0	34.61	− 9	47.94	+ 2	58.90	− 7	31.51	+13	13.73	− 6
25	31.39	−20	34.35	− 7	47.79	0	58.90	− 8	30.91	+ 6	13.77	− 8
26	30.37	−34	34.09	− 4	47.64	− 2	58.89	− 8	30.30	− 3	13.80	− 7
27	29.37	−39	33.83	+ 1	47.50	− 4	58.88	− 5	29.69	−11	13.83	− 6
28	28.40	−33	33.56	+ 5	47.35	− 5	58.86	− 1	29.09	−16	13.86	− 2
29	27.45	−19	33.29	+ 9	47.21	− 4	58.84	+ 3	28.48	−17	13.88	+ 2
sec δ, tg δ	89° 13′ 30″ 40	73.932 74.198	−73.926 −74.191		7.02		−6.95		87° 56′ 10″ 20	27.767 27.804	−27.749 −27.786	

1917	Octantis 4 G. 6^m				ζ Octantis 6^m-5^m				ι Octantis 6^m-5^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$1^h 42^m$	in s 0.01	−85° 11′	in ″ 0.01	$9^h 8^m$	in s 0.01	−85° 19′	in ″ 0.01	$12^h 46^m$	in s 0.01	−84° 40′	in ″ 0.01
Nov. 29	9.84	−7	12.41	−3	54.97	+5	56.34	−8	6.87	+8	29.36	0
30	9.64	−7	12.62	+1	55.21	+3	56.52	−10	7.11	+8	29.25	−4
Dez. 1	9.43	−6	12.83	+4	55.45	0	56.72	−10	7.34	+6	29.14	−7
2	9.22	−4	13.04	+7	55.69	−3	56.92	−8	7.58	+4	29.04	−9
3	9.01	−1	13.25	+8	55.93	−5	57.13	−5	7.82	+1	28.95	−9
4	8.80	+1	13.44	+9	56.17	−6	57.34	−2	8.06	−2	28.86	−8
5	8.58	+4	13.63	+7	56.40	−6	57.55	+2	8.30	−4	28.77	−5
6	8.36	+6	13.82	+5	56.63	−5	57.77	+6	8.55	−6	28.69	−2
7	8.14	+6	14.00	+3	56.86	−3	57.99	+8	8.79	−7	28.61	+1
8	7.91	+6	14.17	−1	57.08	−1	58.22	+9	9.04	−6	28.54	+5
9	7.68	+5	14.33	−6	57.30	+1	58.45	+9	9.29	−5	28.48	+8
10	7.45	+3	14.49	−9	57.52	+4	58.69	+7	9.54	−3	28.43	+11
11	7.21	0	14.64	−10	57.74	+6	58.94	+5	9.80	0	28.38	+11
12	6.97	−3	14.79	−10	57.95	+7	59.19	+1	10.05	+3	28.34	+9
13	6.73	−5	14.93	−9	58.15	+7	59.44	−3	10.31	+5	28.31	+6
14	6.49	−6	15.08	−5	58.36	+5	59.70	−6	10.56	+6	28.28	+2
15	6.25	−6	15.22	−1	58.56	+2	59.97	−8	10.82	+6	28.25	−3
16	6.00	−4	15.35	+4	58.76	−1	60.24	−8	11.08	+4	28.23	−7
17	5.75	−1	15.47	+7	58.95	−4	60.52	−6	11.34	+1	28.22	−8
18	5.50	+2	15.58	+9	59.14	−6	60.80	−1	11.60	−2	28.21	−8
19	5.25	+5	15.69	+8	59.33	−7	61.08	+3	11.86	−5	28.20	−5
20	4.99	+7	15.79	+5	59.51	−6	61.37	+6	12.12	−7	28.21	−2
21	4.74	+6	15.89	+1	59.69	−4	61.67	+8	12.39	−7	28.23	+2
22	4.48	+5	15.99	−3	59.86	−1	61.96	+8	12.65	−5	28.25	+6
23	4.22	+3	16.08	−6	60.03	+3	62.26	+7	12.91	−2	28.27	+7
24	3.95	−1	16.16	−8	60.20	+5	62.57	+4	13.17	+2	28.30	+7
25	3.69	−4	16.24	−6	60.36	+6	62.88	−1	13.44	+5	28.34	+4
26	3.43	−6	16.31	−5	60.52	+6	63.20	−6	13.70	+7	28.38	+1
27	3.16	−7	16.37	−2	60.68	+4	63.52	−9	13.96	+8	28.43	−2
28	2.89	−7	16.43	+2	60.83	+2	63.84	−10	14.23	+7	28.48	−6
29	2.62	−5	16.47	+5	60.97	−1	64.16	−10	14.49	+5	28.54	−8
30	2.35	−2	16.51	+9	61.11	−4	64.49	−7	14.76	+2	28.62	−9
31	2.08	0	16.55	+9	61.25	−5	64.82	−3	15.02	−1	28.70	−9
32	1.81	+3	16.58	+8	61.38	−6	65.16	0	15.28	−3	28.78	−7
sec δ, tg δ	11.92		−11.88		12.29		−12.25		10.77		−10.73	

1917	Octantis 20 G. 7^m				Octantis 26 G. $6^m - 7^m$				χ Octantis 6^m			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$14^h 46^m$	in 0.01^s	$-87° 48'$	in $0.01''$	$16^h 29^m$	in 0.01^s	$-86° 12'$	in $0.01''$	$18^h 6^m$	in 0.01^s	$-87° 39'$	in $0.01''$
Nov. 29	11.24^s	+16	$59.37''$	+ 4	47.05^s	+ 7	$66.79''$	+ 7	25.83^s	− 1	$59.19''$	+10
30	11.61	+19	59.11	0	47.13	+10	66.47	+ 4	25.70	+ 6	58.88	+ 9
Dez. 1	11.98	+19	58.85	− 3	47.21	+12	66.15	+ 1	25.59	+12	58.56	+ 7
2	12.37	+14	58.60	− 6	47.30	+11	65.84	− 3	25.49	+16	58.24	+ 5
3	12.77	+ 8	58.35	− 8	47.40	+ 8	65.53	− 6	25.41	+17	57.91	+ 1
4	13.17	+ 1	58.11	− 8	47.50	+ 5	65.21	− 7	25.33	+16	57.59	− 4
5	13.58	− 6	57.86	− 8	47.61	+ 1	64.90	− 8	25.26	+12	57.26	− 6
6	14.00	−11	57.62	− 6	47.73	− 4	64.58	− 7	25.20	+ 6	56.92	− 8
7	14.43	−15	57.38	− 3	47.85	− 8	64.26	− 5	25.15	− 1	56.58	− 8
8	14.87	−17	57.15	+ 1	47.99	−10	63.95	− 3	25.11	− 8	56.25	− 7
9	15.32	−16	56.93	+ 5	48.12	−11	63.64	+ 1	25.09	−13	55.92	− 5
10	15.77	−12	56.70	+ 8	48.26	−10	63.34	+ 5	25.07	−17	55.58	− 1
11	16.24	− 6	56.48	+ 9	48.41	− 8	63.03	+ 8	25.07	−18	55.24	+ 2
12	16.72	+ 1	56.27	+10	48.57	− 4	62.73	+ 9	25.07	−16	54.90	+ 6
13	17.20	+ 8	56.06	+ 8	48.73	0	62.42	+ 9	25.09	−12	54.57	+ 9
14	17.69	+13	55.86	+ 4	48.90	+ 5	62.13	+ 7	25.12	− 5	54.23	+ 9
15	18.19	+15	55.66	0	49.07	+ 8	61.83	+ 3	25.15	+ 3	53.89	+ 8
16	18.69	+13	55.46	− 4	49.25	+ 9	61.53	− 2	25.20	+10	53.55	+ 6
17	19.20	+ 8	55.27	− 7	49.44	+ 8	61.24	− 6	25.26	+14	53.21	+ 1
18	19.72	0	55.09	− 8	49.63	+ 4	60.95	− 9	25.33	+15	52.88	− 3
19	20.25	− 8	54.92	− 8	49.83	0	60.66	−10	25.41	+12	52.54	− 7
20	20.78	−13	54.75	− 6	50.04	− 5	60.38	− 8	25.50	+ 6	52.20	−10
21	21.32	−16	54.58	− 2	50.25	− 8	60.11	− 5	25.60	− 2	51.86	−10
22	21.87	−14	54.42	+ 2	50.47	− 9	59.83	− 1	25.71	− 8	51.51	− 7
23	22.42	− 9	54.26	+ 5	50.69	− 7	59.56	+ 3	{25.84 25.98	−12 −13	51.17 50.85	− 4 + 2
24	22.98	− 1	54.11	+ 7	50.91	− 4	59.29	+ 6	26.12	−11	50.53	+ 6
25	23.55	+ 7	53.97	+ 7	51.14	+ 1	59.03	+ 7	26.27	− 5	50.20	+ 8
26	24.12	+14	53.83	+ 5	51.38	+ 5	58.77	+ 8	26.43	+ 3	49.87	+ 9
27	24.70	+18	53.70	+ 2	51.63	+ 9	58.51	+ 5	26.61	+ 8	49.53	+ 9
28	25.28	+19	53.57	− 1	51.88	+11	58.26	+ 1	26.79	+13	49.21	+ 6
29	25.87	+16	53.44	− 4	52.13	+11	58.00	− 2	26.99	+16	48.89	+ 2
30	26.46	+11	53.32	− 7	52.39	+ 9	57.76	− 5	27.20	+15	48.56	− 2
31	27.06	+ 4	53.21	− 9	52.66	+ 6	57.51	− 7	27.42	+12	48.22	− 5
32	27.66	− 3	53.10	− 8	52.92	+ 2	57.28	− 8	27.64	+ 8	47.89	− 7
sec δ, tg δ	87° 48′ 50″ 60	26.215 26.249	−26.196 −26.230		15.15		−15.12		87° 39′ 50″ 60	24.533 24.562	−24.513 −24.542	

1917	σ Octantis 6ᵐ				β Octantis 4ᵐ.1				τ Octantis 6ᵐ			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$19^h 28^m$	in ^{s} 0.01	−89° 13′	in ″ 0.01	$22^h 37^m$	in ^{s} 0.01	−81° 48′	in ″ 0.01	$23^h 16^m$	in ^{s} 0.01	−87° 56′	in ″ 0.01
Nov. 29	27.45	−19	33.29	+ 9	47.21	− 4	58.84	+ 3	28.48	−17	13.88	+ 2
30	26.53	0	33.02	+10	47.06	− 3	58.81	+ 7	27.86	−15	13.89	+ 6
Dez. 1	25.64	+20	32.74	+ 9	46.92	− 1	58.77	+10	27.25	− 9	13.90	+ 8
2	24.77	+36	32.45	+ 6	46.77	+ 1	58.73	+10	26.64	− 2	13.90	+10
3	23.93	+46	32.16	+ 3	46.63	+ 3	58.68	+ 9	26.02	+ 5	13.89	+ 9
4	23.11	+47	31.87	0	46.49	+ 4	58.62	+ 6	25.41	+11	13.87	+ 8
5	22.32	+41	31.57	− 4	46.34	+ 5	58.56	+ 3	24.80	+15	13.85	+ 5
6	21.56	+29	31.28	− 6	46.20	+ 4	58.49	− 1	24.18	+16	13.82	+ 1
7	20.82	+11	30.98	− 8	46.06	+ 3	58.41	− 5	23.57	+15	13.78	− 3
8	20.11	− 8	30.67	− 9	45.92	+ 2	58.33	− 7	22.95	+11	13.74	− 7
9	19.44	−26	30.35	− 7	45.78	0	58.24	− 9	22.34	+ 5	13.69	− 9
10	18.79	−42	30.04	− 4	45.64	− 2	58.15	− 9	21.73	− 2	13.63	−10
11	18.17	−51	29.73	− 1	45.50	− 4	58.05	− 8	21.12	− 9	13.56	− 9
12	17.57	−52	29.42	+ 2	45.36	− 5	57.94	− 6	20.51	−15	13.49	− 8
13	17.01	−44	29.10	+ 5	45.22	− 6	57.82	− 2	19.90	−18	13.41	− 4
14	16.48	−28	28.78	+ 8	45.09	− 5	57.71	+ 2	19.30	−17	13.33	0
15	15.98	− 6	28.45	+ 9	44.95	− 3	57.59	+ 5	18.69	−13	13.25	+ 4
16	15.50	+17	28.12	+ 7	44.82	0	57.45	+ 7	18.09	− 6	13.17	+ 7
17	15.05	+35	27.79	+ 4	44.69	+ 2	57.30	+ 8	17.49	+ 3	13.08	+ 8
18	14.64	+44	27.45	0	44.55	+ 4	57.16	+ 6	16.89	+11	12.97	+ 7
19	14.26	+42	27.11	− 5	44.42	+ 5	57.02	+ 2	16.30	+17	12.85	+ 4
20	13.90	+30	26.77	− 9	44.29	+ 5	56.87	− 2	15.71	+19	12.73	0
21	13.58	+11	26.43	−10	44.17	+ 4	56.71	− 5	15.12	+16	12.61	− 4
22	13.29	−10	26.09	− 8	44.04	+ 1	56.54	− 8	14.54	+ 9	12.48	− 7
23	13.03	−28	25.75	− 6	43.91	− 1	56.37	− 8	13.96	0	12.34	− 8
24	12.80	−37	25.41	− 2	43.79	− 3	56.19	− 6	13.38	− 8	12.20	− 6
25	12.60	−36	25.07	+ 4	43.67	− 4	56.00	− 2	12.81	−14	12.05	− 3
26	12.43	−25	24.72	+ 8	43.55	− 4	55.81	+ 2	12.24	−17	11.90	+ 1
27	12.29	− 8	24.37	+ 9	43.43	− 3	55.61	+ 6	11.67	−16	11.75	+ 5
28	12.18	+12	24.02	+10	43.31	− 2	55.41	+ 9	11.11	−11	11.59	+ 7
29	12.10	+30	23.67	+ 7	43.19	+ 1	55.21	+ 9	10.56	− 5	11.42	+10
30	12.06	+42	23.31	+ 4	43.08	+ 3	55.00	+ 9	10.01	+ 3	11.24	+10
31	12.04	+47	22.96	+ 1	42.96	+ 4	54.79	+ 8	9.46	+ 9	11.05	+ 8
32	12.06	+44	22.61	− 3	42.85	+ 5	54.57	+ 4	8.92	+14	10.86	+ 6
sec δ, tg δ	89° 13′ 20″ 30	73.668 73.932	−73.661 −73.926		7.02		−6.95		87° 56′ 10″ 20	27.767 27.804	−27.749 −27.786	

Formeln

zur Reduktion auf den scheinbaren Ort

$$A = t - (0.34215 + 0.00031\,T)\sin\Omega + 0.00415\sin 2\Omega - 0.02526\sin 2L_\odot$$
$$+ 0.00251\sin M_\odot - 0.00099\sin(2L_\odot + M_\odot) + 0.00042\sin(2L_\odot - M_\odot)$$
$$+ 0.00025\sin(2L_\odot - \Omega)$$

$$A' = -0.00405\sin 2L_☾ + 0.00135\sin M_☾ - 0.00068\sin(2L_☾ - \Omega)$$
$$- 0.00052\sin(2L_☾ + M_☾) + 0.00030\sin(2L_☾ - 2L_\odot - M_☾)$$
$$+ 0.00023\sin(2L_☾ - M_☾) + 0.00012\sin(2L_☾ - 2L_\odot)$$

$$B = -(9''.210 + 0''.001\,T)\cos\Omega + 0''.090\cos 2\Omega - 0''.551\cos 2L_\odot$$
$$- 0''.022\cos(2L_\odot + M_\odot) + 0''.009\cos(2L_\odot - M_\odot)$$
$$+ 0''.007\cos(2L_\odot - \Omega)$$

$$B' = -0''.089\cos 2L_☾ - 0''.018\cos(2L_☾ - \Omega) - 0''.011\cos(2L_☾ + M_☾)$$
$$+ 0''.005\cos(2L_☾ - M_☾)$$

$$C = -20''.47\cos\odot\cos\varepsilon$$
$$D = -20''.47\sin\odot$$
$$E = -(0^s.0029 - 0^s.0004\,T)\sin\Omega$$

T Zeit seit 1900.0 in Einheiten von 100 tropischen Jahren
t Zeit seit Beginn des annus fictus, in Bruchteilen des tropischen Jahres

$a = m + {}^1/_{15}\, n\sin\alpha\,\mathrm{tg}\,\delta$	$a' = n\cos\alpha$
$b = {}^1/_{15}\cos\alpha\,\mathrm{tg}\,\delta$	$b' = -\sin\alpha$
$c = {}^1/_{15}\cos\alpha\sec\delta$	$c' = \mathrm{tg}\,\varepsilon\cos\delta - \sin\alpha\sin\delta$
$d = {}^1/_{15}\sin\alpha\sec\delta$	$d' = \cos\alpha\sin\delta$

1917.0: $m = 3^s.0727$; $n = 20''.0454$; $\varepsilon = 23^\circ\,27'\,0''.30$

$$\alpha_{app.} = \alpha_{1917.0} + t\mu_\alpha + Aa + Bb + Cc + Dd + E + [A'a + B'b]$$
$$\delta_{app.} = \delta_{1917.0} + t\mu_\delta + Aa' + Bb' + Cc' + Dd' \quad + [A'a' + B'b']$$

μ_α, μ_δ jährliche Eigenbewegung in Rektaszension, bez. Deklination

Setzt man:

$f = mA + E$	$f' = mA'$	$i = C\,\mathrm{tg}\,\varepsilon$
$g\sin G = B$	$g'\sin G' = B'$	$h\sin H = C$
$g\cos G = nA$	$g'\cos G' = nA$	$h\cos H = D,$

so wird:

$$\alpha_{app.} = \alpha_{1917.0} + t\mu_\alpha + f + {}^1/_{15}\, g\sin(G+\alpha)\,\mathrm{tg}\,\delta + {}^1/_{15}\, h\sin(H+\alpha)\sec\delta$$
$$+ [f' + {}^1/_{15}\, g'\sin(G'+\alpha)\,\mathrm{tg}\,\delta]$$

$$\delta_{app.} = \delta_{1917.0} + t\mu_\delta + g\cos(G+\alpha) + h\cos(H+\alpha)\sin\delta + i\cos\delta$$
$$+ [g'\cos(G'+\alpha)]$$

Reduktionsgrößen 1917

für 0^h Sternzeit Greenwich

Mittlere Zeit Greenwich	t	log A[1])	log B[2])	log C	log D	E
1917 Jan. 0.2	−0.0006	9.51332	0.43838_n	0.50202_n	1.30479	$+0^s.0025$
10.2	+0.0267	9.55969	0.44138_n	0.80570_n	1.28436	26
20.2	0.0540	9.59933	0.45255_n	0.97340_n	1.24836	26
30.1	0.0813	9.63280	0.46864_n	1.08350_n	1.19410	26
Febr. 9.1	0.1086	9.66089	0.48544_n	1.15987_n	1.11641	26
19.1	0.1359	9.68443	0.49982_n	1.21285_n	1.00509	+0.0026
März 1.1	0.1632	9.70442	0.50893_n	1.24778_n	0.83658	26
11.0	0.1905	9.72189	0.51095_n	1.26752_n	0.53377	26
21.0	0.2178	9.73785	0.50420_n	1.27368_n	9.04922_n	26
31.0	0.2451	9.75325	0.48813_n	1.26677_n	0.55859_n	26
April 9.9	0.2724	9.76812	0.46255_n	1.24664_n	0.84516_n	+0.0026
19.9	0.2997	9.78524	0.42765_n	1.21227_n	1.00685_n	27
29.9	0.3271	9.80268	0.38489_n	1.16131_n	1.11428_n	27
Mai 9.9	0.3544	9.82123	0.33405_n	1.08959_n	1.18969_n	27
19.8	0.3817	9.84071	0.27944_n	0.98887_n	1.24296_n	27
29.8	0.4090	9.86077	0.22453_n	0.84142_n	1.27921_n	+0.0027
Juni 8.8	0.4363	9.88095	0.17464_n	0.59660_n	1.30129_n	27
18.8	0.4636	9.90081	0.13545_n	9.93349_n	1.31065_n	27
28.7	0.4909	9.91988	0.11327_n	0.35315	1.30796_n	27
Juli 8.7	0.5182	9.93781	0.10924_n	0.72452	1.29305_n	27
18.7	0.5455	9.95432	0.12156_n	0.91418	1.26510_n	+0.0027
28.6	0.5728	9.96923	0.14520_n	1.03699	1.22215_n	27
Aug. 7.6	0.6001	9.98250	0.17348_n	1.12307	1.16068_n	27
17.6	0.6274	9.99416	0.20003_n	1.18469	1.07441_n	27
27.6	0.6547	0.00440	0.22089_n	1.22799	0.95017_n	27
Sept. 6.5	0.6820	0.01347	0.23096_n	1.25614	0.75580_n	+0.0027
16.5	0.7093	0.02172	0.22763_n	1.27091	0.36229_n	27
26.5	0.7366	0.02954	0.20817_n	1.27295	0.07078	27
Okt. 6.5	0.7639	0.03735	0.16997_n	1.26219	0.66689	27
16.4	0.7912	0.04552	0.10789_n	1.23774	0.90266	27
26.4	0.8185	0.05437	0.01703_n	1.19769	1.04614	+0.0027
Nov. 5.4	0.8458	0.06409	9.88536_n	1.13859	1.14398	27
15.3	0.8731	0.07474	9.69020_n	1.05396	1.21299	27
25.3	0.9004	0.08622	9.36173_n	0.93085	1.26095	27
Dez. 5.3	0.9277	0.09829	7.95424_n	0.73719	1.29194	27
15.3	0.9551	0.11064	9.18752	0.34479	1.30810	+0.0027
25.2	0.9824	0.12289	9.39620	0.04610_n	1.31035	27
35.2	1.0097	0.13469	9.44248	0.64365_n	1.29883	27

[1]) ohne das Glied $+0.00025 \sin (2L_{\odot} - \Omega)$

[2]) ohne das Glied $+0''.007 \cos (2L_{\odot} - \Omega)$

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i	i
		s		h m		h m		"
Jan. 0.5	0.0002	+1.007	0.8514	22 29.1	1.3101	23 23.2	0.1514_n	−1.417
1.5	0.0030	1.019	0.8556	22 30.1	1.3098	23 19.4	0.1931_n	1.560
2.5	0.0057	1.030	0.8598	22 31.0	1.3096	23 15.6	0.2310_n	1.702
3.5	0.0085	1.042	0.8640	22 31.9	1.3093	23 11.9	0.2655_n	1.843
4.5	0.0112	1.053	0.8681	22 32.7	1.3091	23 8.1	0.2975_n	1.984
5.5	0.0139	1.064	0.8721	22 33.5	1.3088	23 4.3	0.3272_n	2.124
6.5	0.0166	+1.076	0.8761	22 34.3	1.3084	23 0.5	0.3549_n	−2.264
7.5	0.0194	1.087	0.8801	22 35.0	1.3081	22 56.8	0.3808_n	2.403
8.5	0.0221	1.098	0.8840	22 35.7	1.3077	22 53.0	0.4048_n	2.540
9.5	0.0248	1.109	0.8880	22 36.4	1.3074	22 49.1	0.4276_n	2.677
10.5	0.0276	1.120	0.8919	22 37.0	1.3070	22 45.3	0.4493_n	2.814
11.5	0.0303	1.131	0.8957	22 37.6	1.3066	22 41.5	0.4697_n	2.949
12.5	0.0331	+1.142	0.8994	22 38.2	1.3061	22 37.7	0.4891_n	−3.084
13.5	0.0358	1.153	0.9032	22 38.7	1.3057	22 33.9	0.5076_n	3.218
14.5	0.0385	1.164	0.9069	22 39.2	1.3052	22 30.0	0.5250_n	3.350
15.5	0.0413	1.175	0.9106	22 39.7	1.3047	22 26.2	0.5418_n	3.482
16.5	0.0440	1.185	0.9142	22 40.2	1.3042	22 22.3	0.5577_n	3.612
17.5	0.0467	1.196	0.9177	22 40.6	1.3037	22 18.5	0.5730_n	3.741
18.5	0.0495	+1.206	0.9212	22 41.1	1.3032	22 14.6	0.5876_n	−3.869
19.5	0.0522	1.217	0.9246	22 41.5	1.3027	22 10.7	0.6015_n	3.996
20.5	0.0550	1.227	0.9280	22 41.8	1.3021	22 6.8	0.6150_n	4.121
21.5	0.0577	1.237	0.9314	22 42.2	1.3016	22 3.0	0.6279_n	4.245
22.5	0.0604	1.247	0.9347	22 42.5	1.3010	21 59.0	0.6403_n	4.368
23.5	0.0632	1.257	0.9380	22 42.9	1.3004	21 55.1	0.6521_n	4.489
24.5	0.0659	+1.267	0.9412	22 43.2	1.2998	21 51.2	0.6636_n	−4.609
25.5	0.0686	1.277	0.9444	22 43.5	1.2992	21 47.3	0.6747_n	4.728
26.5	0.0714	1.287	0.9475	22 43.7	1.2986	21 43.3	0.6853_n	4.845
27.5	0.0741	1.297	0.9507	22 44.0	1.2980	21 39.4	0.6955_n	4.960
28.5	0.0769	1.306	0.9537	22 44.2	1.2973	21 35.4	0.7054_n	5.074
29.5	0.0796	1.316	0.9567	22 44.5	1.2967	21 31.4	0.7148_n	5.186
30.5	0.0823	+1.325	0.9596	22 44.7	1.2961	21 27.4	0.7240_n	
31.5	0.0851	1.334	0.9625	22 44.9	1.2954	21 23.4	0.7328_n	
Febr. 1.5	0.0878	1.343	0.9653	22 45.1	1.2948	21 19.4	0.7413_n	
2.5	0.0906	1.352	0.9682	22 45.3	1.2941	21 15.4	0.7496_n	
3.5	0.0933	1.361	0.9709	22 45.5	1.2934	21 11.4	0.7575_n	
4.5	0.0960	1.370	0.9736	22 45.7	1.2928	21 7.3	0.7651_n	
5.5	0.0988	+1.379	0.9763	22 45.9	1.2921	21 3.3	0.7725_n	
6.5	0.1015	1.388	0.9789	22 46.0	1.2915	20 59.2	0.7797_n	
7.5	0.1042	1.396	0.9815	22 46.2	1.2908	20 55.1	0.7865_n	
8.5	0.1070	1.405	0.9840	22 46.4	1.2901	20 51.1	0.7932_n	
9.5	0.1097	1.413	0.9865	22 46.5	1.2895	20 47.0	0.7995_n	
10.5	0.1125	1.421	0.9890	22 46.7	1.2888	20 42.9	0.8057_n	

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1917.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
	in 0.001 (s)	in 0.01 (")				in 0.01 (")	23° 27'		in 0.01 (")
Jan. 0.5	− 4	+ 8	16.9 h	+0.01"	+16.45"	− 6	3.12"	+2.74"	+ 8
1.5	− 8	7	14.8	0.15	16.50	−13	3.08	2.74	+ 5
2.5	− 9	6	11.9	0.28	16.55	−15	3.03	2.74	0
3.5	− 8	7	9.4	0.42	16.60	−13	2.99	2.74	− 4
4.5	− 5	8	7.4	0.56	16.65	− 8	2.96	2.74	− 8
5.5	0	9	6.0	0.70	16.70	0	2.94	2.75	− 9
6.5	+ 5	+10	4.7	+0.84	+16.75	+ 8	2.94	+2.75	− 9
7.5	+ 9	9	3.4	0.97	16.80	+15	2.96	2.75	− 7
8.5	+11	9	2.0	1.11	16.84	+19	3.00	2.75	− 4
9.5	+12	8	0.2	1.25	16.89	+20	3.04	2.76	0
10.5	+10	8	22.3	1.39	16.93	+17	3.08	2.76	+ 3
11.5	+ 7	8	20.3	1.52	16.97	+11	3.11	2.77	+ 6
12.5	+ 2	+ 8	18.5	+1.66	+17.01	+ 3	3.14	+2.77	+ 8
13.5	− 4	9	16.8	1.80	17.05	− 7	3.15	2.78	+ 9
14.5	−10	10	15.4	1.94	17.09	−17	3.14	2.79	+ 8
15.5	−15	11	13.9	2.07	17.13	−25	3.12	2.79	+ 6
16.5	−18	12	12.5	2.21	17.17	−30	3.09	2.80	+ 2
17.5	−18	12	11.0	2.35	17.20	−30	3.05	2.81	− 3
18.5	−15	+12	9.6	+2.49	+17.24	−24	3.02	+2.82	− 7
19.5	− 8	11	8.1	2.62	17.27	−14	3.00	2.82	− 9
20.5	− 1	10	6.3	2.76	17.30	− 2	3.01	2.83	−10
21.5	+ 6	9	4.2	2.90	17.33	+10	3.03	2.84	− 8
22.5	+12	9	1.8	3.04	17.36	+20	3.08	2.85	− 4
23.5	+15	10	23.6	3.17	17.38	+24	3.14	2.86	+ 1
24.5	+14	+11	21.9	+3.31	+17.41	+23	3.19	+2.87	+ 6
25.5	+10	11	20.4	3.45	17.43	+16	3.24	2.88	+ 9
26.5	+ 4	11	19.0	3.59	17.46	+ 7	3.26	2.89	+10
27.5	− 2	9	17.5	3.72	17.48	− 3	3.26	2.91	+ 9
28.5	− 6	7	15.6	3.86	17.50	−10	3.23	2.92	+ 6
29.5	− 9	6	13.1	4.00	17.51	−14	3.20	2.93	+ 2
30.5	− 8	+ 6	9.9	+4.14	+17.53	−13	3.16	+2.94	− 3
31.5	− 5	8	7.7	4.28	17.54	− 8	3.14	2.95	− 7
Febr. 1.5	− 1	9	6.2	4.41	17.55	− 1	3.13	2.96	− 9
2.5	+ 4	10	4.9	4.55	17.57	+ 7	3.13	2.97	− 9
3.5	+ 9	10	3.7	4.69	17.58	+14	3.16	2.98	− 8
4.5	+12	9	2.3	4.83	17.58	+19	3.20	3.00	− 5
5.5	+13	+ 9	0.8	+4.96	+17.59	+21	3.24	+3.01	− 2
6.5	+12	8	23.0	5.10	17.59	+19	3.29	3.02	+ 2
7.5	+ 9	8	21.1	5.24	17.60	+14	3.33	3.03	+ 5
8.5	+ 4	8	19.2	5.38	17.60	+ 6	3.37	3.04	+ 8
9.5	− 2	9	17.5	5.51	17.60	− 3	3.39	3.05	+ 9
10.5	− 8	10	15.9	5.65	17.59	−13	3.40	3.07	+ 8

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i
Febr. 10.5	0.1125	+1.421	0.9890	22h 46.7m	1.2888	20h 42.9m	0.8057_n
11.5	0.1152	1.430	0.9914	22 46.8	1.2882	20 38.7	0.8116_n
12.5	0.1179	1.438	0.9937	22 47.0	1.2875	20 34.6	0.8174_n
13.5	0.1207	1.446	0.9961	22 47.1	1.2869	20 30.5	0.8230_n
14.5	0.1234	1.454	0.9984	22 47.2	1.2862	20 26.3	0.8282_n
15.5	0.1261	1.461	1.0006	22 47.4	1.2856	20 22.2	0.8333_n
16.5	0.1289	+1.469	1.0028	22 47.5	1.2850	20 18.0	0.8382_n
17.5	0.1316	1.477	1.0050	22 47.7	1.2844	20 13.8	0.8430_n
18.5	0.1344	1.484	1.0070	22 47.8	1.2838	20 9.6	0.8475_n
19.5	0.1371	1.492	1.0091	22 47.9	1.2832	20 5.4	0.8519_n
20.5	0.1398	1.499	1.0112	22 48.1	1.2826	20 1.2	0.8561_n
21.5	0.1426	1.506	1.0133	22 48.3	1.2820	19 57.0	0.8600_n
22.5	0.1453	+1.514	1.0152	22 48.4	1.2815	19 52.8	0.8639_n
23.5	0.1480	1.521	1.0172	22 48.6	1.2809	19 48.5	0.8676_n
24.5	0.1508	1.528	1.0191	22 48.7	1.2804	19 44.3	0.8711_n
25.5	0.1535	1.535	1.0210	22 48.9	1.2799	19 40.0	0.8744_n
26.5	0.1563	1.542	1.0228	22 49.1	1.2794	19 35.8	0.8776_n
27.5	0.1590	1.548	1.0247	22 49.3	1.2789	19 31.5	0.8806_n
28.5	0.1617	+1.555	1.0264	22 49.4	1.2785	19 27.2	0.8835_n
März 1.5	0.1645	1.562	1.0282	22 49.6	1.2780	19 22.9	0.8862_n
2.5	0.1672	1.568	1.0299	22 49.8	1.2776	19 18.6	0.8888_n
3.5	0.1699	1.575	1.0316	22 50.0	1.2772	19 14.3	0.8912_n
4.5	0.1727	1.582	1.0332	22 50.2	1.2768	19 10.0	0.8935_n
5.5	0.1754	1.588	1.0348	22 50.5	1.2764	19 5.7	0.8955_n
6.5	0.1782	+1.594	1.0365	22 50.7	1.2761	19 1.4	0.8975_n
7.5	0.1809	1.601	1.0381	22 50.9	1.2758	18 57.1	0.8994_n
8.5	0.1836	1.607	1.0396	22 51.2	1.2755	18 52.8	0.9011_n
9.5	0.1864	1.613	1.0412	22 51.4	1.2752	18 48.5	0.9027_n
10.5	0.1891	1.620	1.0428	22 51.7	1.2749	18 44.1	0.9041_n
11.5	0.1919	1.626	1.0442	22 52.0	1.2747	18 39.8	0.9054_n
12.5	0.1946	+1.632	1.0457	22 52.3	1.2745	18 35.5	0.9065_n
13.5	0.1973	1.638	1.0472	22 52.6	1.2743	18 31.1	0.9075_n
14.5	0.2001	1.644	1.0486	22 52.9	1.2741	18 26.8	0.9084_n
15.5	0.2028	1.651	1.0501	22 53.2	1.2740	18 22.5	0.9092_n
16.5	0.2055	1.657	1.0515	22 53.5	1.2739	18 18.1	0.9098_n
17.5	0.2083	1.663	1.0529	22 53.8	1.2738	18 13.8	0.9103_n
18.5	0.2110	+1.669	1.0543	22 54.2	1.2737	18 9.5	0.9106_n
19.5	0.2138	1.675	1.0557	22 54.6	1.2737	18 5.1	0.9108_n
20.5	0.2165	1.681	1.0570	22 54.9	1.2737	18 0.8	0.9109_n
21.5	0.2192	1.687	1.0584	22 55.3	1.2737	17 56.5	0.9109_n
22.5	0.2220	1.693	1.0597	22 55.7	1.2737	17 52.2	0.9107_n
23.5	0.2247	1.699	1.0611	22 56.1	1.2738	17 47.8	0.9104_n

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1917.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
	in 0.001 (s)	in 0.01 (″)	(h)	(″)	(″)	in 0.01 (″)	23° 27′ (″)	(″)	in 0.01 (″)
Febr. 10.5	− 8	+10	15.9	+ 5.65	+17.59	−13	3.40	+3.07	+ 8
11.5	−13	11	14.4	5.79	17.59	−22	3.38	3.08	+ 6
12.5	−17	11	13.0	5.93	17.58	−28	3.36	3.09	+ 3
13.5	−18	12	11.5	6.06	17.58	−30	3.32	3.10	− 1
14.5	−16	12	10.1	6.20	17.57	−26	3.29	3.11	− 6
15.5	−11	11	8.7	6.34	17.56	−18	3.27	3.12	− 9
16.5	− 4	+10	7.1	+ 6.48	+17.55	− 7	3.27	+3.13	−10
17.5	+ 3	9	5.2	6.61	17.53	+ 5	3.29	3.14	− 9
18.5	+ 9	8	2.9	6.75	17.52	+15	3.33	3.15	− 6
19.5	+13	8	0.4	6.89	17.50	+21	3.38	3.16	− 1
20.5	+13	10	22.3	7.03	17.49	+22	3.44	3.17	+ 4
21.5	+10	11	20.7	7.17	17.47	+17	3.48	3.17	+ 8
22.5	+ 5	+11	19.3	+ 7.30	+17.45	+ 9	3.51	+3.18	+10
23.5	− 1	10	17.8	7.44	17.43	− 1	3.51	3.19	+10
24.5	− 5	8	16.2	7.58	17.40	− 9	3.49	3.20	+ 7
25.5	− 8	6	13.9	7.72	17.38	−14	3.46	3.20	+ 3
26.5	− 9	6	10.9	7.85	17.36	−14	3.41	3.21	− 2
27.5	− 6	7	8.3	7.99	17.33	−10	3.38	3.21	− 6
28.5	− 2	+ 9	6.5	+ 8.13	+17.30	− 3	3.35	+3.22	− 9
März 1.5	+ 3	10	5.2	8.27	17.27	+ 5	3.35	3.22	−10
2.5	+ 8	10	3.9	8.40	17.24	+13	3.36	3.23	− 9
3.5	+12	10	2.6	8.54	17.21	+19	3.39	3.23	− 6
4.5	+13	9	1.2	8.68	17.18	+22	3.42	3.24	− 3
5.5	+13	9	23.6	8.82	17.15	+21	3.46	3.24	+ 1
6.5	+10	+ 8	21.8	+ 8.95	+17.12	+17	3.50	+3.24	+ 4
7.5	+ 6	8	20.0	9.09	17.08	+10	3.52	3.24	+ 7
8.5	+ 1	9	18.2	9.23	17.05	+ 1	3.54	3.24	+ 9
9.5	− 5	9	16.6	9.37	17.01	− 8	3.54	3.24	+ 9
10.5	−11	10	15.0	9.50	16.98	−18	3.52	3.24	+ 7
11.5	−15	10	13.5	9.64	16.94	−25	3.48	3.24	+ 4
12.5	−17	+11	12.0	+ 9.78	+16.91	−28	3.44	+3.23	0
13.5	−16	11	10.5	9.92	16.87	−27	3.39	3.23	− 4
14.5	−12	11	9.1	10.05	16.83	−21	3.35	3.23	− 8
15.5	− 6	10	7.6	10.19	16.79	−11	3.33	3.23	−10
16.5	+ 1	9	5.8	10.33	16.76	+ 1	3.33	3.22	− 9
17.5	+ 7	8	3.8	10.47	16.72	+11	3.34	3.21	− 7
18.5	+11	+ 8	1.3	+10.61	+16.68	+19	3.38	+3.21	− 2
19.5	+13	9	22.8	10.74	16.64	+21	3.42	3.20	+ 3
20.5	+10	10	21.0	10.88	16.60	+17	3.46	3.19	+ 7
21.5	+ 6	10	19.4	11.02	16.56	+10	3.48	3.19	+10
22.5	0	10	18.0	11.16	16.52	0	3.47	3.18	+10
23.5	− 5	9	16.5	11.29	16.48	− 9	3.44	3.17	+ 8

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i
März 23.5	0.2247	+1.699 s	1.0611	22 h 56.1 m	1.2738	17 h 47.8 m	0.9104_n
24.5	0.2274	1.705	1.0624	22 56.5	1.2739	17 43.5	0.9100_n
25.5	0.2302	1.711	1.0637	22 56.9	1.2740	17 39.2	0.9094_n
26.5	0.2329	1.717	1.0650	22 57.3	1.2741	17 34.9	0.9087_n
27.5	0.2357	1.723	1.0663	22 57.8	1.2742	17 30.6	0.9079_n
28.5	0.2384	1.729	1.0676	22 58.2	1.2744	17 26.3	0.9070_n
29.5	0.2411	+1.735	1.0689	22 58.7	1.2746	17 22.0	0.9059_n
30.5	0.2439	1.742	1.0702	22 59.1	1.2748	17 17.7	0.9047_n
31.5	0.2466	1.748	1.0715	22 59.6	1.2751	17 13.4	0.9033_n
April 1.5	0.2493	1.754	1.0728	23 0.1	1.2753	17 9.2	0.9018_n
2.5	0.2521	1.760	1.0741	23 0.6	1.2756	17 4.9	0.9002_n
3.5	0.2548	1.767	1.0753	23 1.1	1.2759	17 0.7	0.8985_n
4.5	0.2576	+1.773	1.0766	23 1.6	1.2763	16 56.4	0.8966_n
5.5	0.2603	1.779	1.0780	23 2.2	1.2766	16 52.2	0.8945_n
6.5	0.2630	1.786	1.0793	23 2.7	1.2770	16 48.0	0.8924_n
7.5	0.2658	1.792	1.0806	23 3.2	1.2774	16 43.7	0.8901_n
8.5	0.2685	1.799	1.0819	23 3.8	1.2778	16 39.5	0.8877_n
9.5	0.2713	1.805	1.0832	23 4.3	1.2782	16 35.3	0.8851_n
10.5	0.2740	+1.812	1.0846	23 4.9	1.2786	16 31.1	0.8824_n
11.5	0.2767	1.818	1.0859	23 5.4	1.2791	16 27.0	0.8795_n
12.5	0.2795	1.825	1.0873	23 6.0	1.2796	16 22.8	0.8765_n
13.5	0.2822	1.832	1.0886	23 6.6	1.2801	16 18.6	0.8734_n
14.5	0.2849	1.839	1.0900	23 7.2	1.2806	16 14.5	0.8701_n
15.5	0.2877	1.846	1.0913	23 7.8	1.2811	16 10.4	0.8666_n
16.5	0.2904	+1.853	1.0927	23 8.4	1.2816	16 6.3	0.8631_n
17.5	0.2932	1.860	1.0941	23 9.0	1.2822	16 2.2	0.8593_n
18.5	0.2959	1.867	1.0955	23 9.6	1.2827	15 58.1	0.8553_n
19.5	0.2986	1.874	1.0970	23 10.2	1.2833	15 54.0	0.8513_n
20.5	0.3014	1.882	1.0984	23 10.9	1.2838	15 49.9	0.8470_n
21.5	0.3041	1.889	1.0998	23 11.5	1.2844	15 45.9	0.8426_n
22.5	0.3068	+1.896	1.1013	23 12.1	1.2850	15 41.8	0.8381_n
23.5	0.3096	1.904	1.1028	23 12.7	1.2856	15 37.8	0.8333_n
24.5	0.3123	1.911	1.1042	23 13.4	1.2862	15 33.8	0.8284_n
25.5	0.3151	1.919	1.1058	23 14.0	1.2868	15 29.8	0.8233_n
26.5	0.3178	1.927	1.1073	23 14.6	1.2875	15 25.8	0.8180_n
27.5	0.3205	1.935	1.1088	23 15.3	1.2881	15 21.8	0.8124_n
28.5	0.3233	+1.943	1.1104	23 15.9	1.2887	15 17.9	0.8068_n
29.5	0.3260	1.951	1.1119	23 16.5	1.2893	15 13.9	0.8009_n
30.5	0.3287	1.959	1.1135	23 17.1	1.2900	15 10.0	0.7949_n
Mai 1.5	0.3315	1.967	1.1150	23 17.8	1.2906	15 6.1	0.7886_n
2.5	0.3342	1.975	1.1166	23 18.4	1.2912	15 2.2	0.7821_n
3.5	0.3370	1.984	1.1183	23 19.0	1.2919	14 58.3	0.7753_n

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1917.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
	in $0^s.001$	in $0''.01$				in $0''.01$	23° 27′		in $0''.01$
März 23.5	− 5	+ 9	$16^h.5$	+11″.29	+16″.48	− 9	3″.44	+3″.17	+ 8
24.5	− 9	7	14.6	11.43	16.45	−14	3.39	3.16	+ 5
25.5	−10	6	11.8	11.57	16.41	−16	3.33	3.15	0
26.5	− 8	7	9.2	11.71	16.37	−13	3.28	3.14	− 5
27.5	− 4	8	7.1	11.84	16.33	− 6	3.23	3.12	− 8
28.5	+ 1	10	5.6	11.98	16.29	+ 2	3.20	3.11	− 9
29.5	+ 7	+10	4.3	+12.12	+16.26	+11	3.19	+3.10	− 9
30.5	+11	10	3.0	12.26	16.22	+18	3.20	3.08	− 7
31.5	+13	10	1.6	12.39	16.18	+22	3.21	3.07	− 4
April 1.5	+13	9	0.1	12.53	16.15	+22	3.23	3.05	0
2.5	+12	8	22.4	12.67	16.11	+19	3.25	3.04	+ 3
3.5	+ 8	8	20.6	12.81	16.07	+13	3.26	3.02	+ 6
4.5	+ 3	+ 9	18.8	+12.94	+16.04	+ 5	3.27	+3.01	+ 8
5.5	− 3	9	17.2	13.08	16.01	− 5	3.25	2.99	+ 9
6.5	− 9	10	15.6	13.22	15.98	−14	3.22	2.97	+ 8
7.5	−13	10	14.0	13.36	15.94	−22	3.17	2.95	+ 5
8.5	−16	11	12.5	13.49	15.91	−26	3.12	2.93	+ 1
9.5	−16	11	10.9	13.63	15.88	−26	3.05	2.91	− 3
10.5	−13	+11	9.4	+13.77	+15.85	−21	3.00	+2.89	− 7
11.5	− 8	11	7.9	13.91	15.82	−12	2.95	2.87	− 9
12.5	− 1	10	6.2	14.05	15.80	− 2	2.92	2.85	−10
13.5	+ 6	9	4.3	14.18	15.77	+ 9	2.92	2.83	− 8
14.5	+11	8	2.0	14.32	15.75	+17	2.93	2.81	− 4
15.5	+13	8	23.6	14.46	15.72	+21	2.95	2.79	+ 1
16.5	+12	+ 9	21.6	+14.60	+15.70	+19	2.98	+2.76	+ 5
17.5	+ 7	10	19.9	14.73	15.68	+12	2.99	2.74	+ 9
18.5	+ 2	10	18.4	14.87	15.66	+ 2	2.98	2.72	+10
19.5	− 4	9	16.8	15.01	15.64	− 7	2.94	2.69	+ 9
20.5	− 9	8	15.0	15.15	15.62	−14	2.88	2.67	+ 6
21.5	−11	7	12.7	15.28	15.60	−17	2.81	2.64	+ 1
22.5	−10	+ 7	10.1	+15.42	+15.59	−16	2.74	+2.62	− 3
23.5	− 6	8	7.9	15.56	15.57	−10	2.67	2.59	− 7
24.5	− 1	9	6.2	15.70	15.56	− 1	2.63	2.57	− 9
25.5	+ 5	10	4.8	15.83	15.55	+ 8	2.60	2.54	− 9
26.5	+10	10	3.5	15.97	15.54	+16	2.59	2.52	− 8
27.5	+13	10	2.1	16.11	15.53	+21	2.59	2.49	− 5
28.5	+14	+ 9	0.6	+16.25	+15.52	+22	2.60	+2.47	− 1
29.5	+12	8	22.8	16.38	15.51	+20	2.61	2.44	+ 3
30.5	+ 9	8	21.1	16.52	15.51	+15	2.61	2.41	+ 6
Mai 1.5	+ 4	8	19.3	16.66	15.50	+ 7	2.61	2.39	+ 8
2.5	− 1	9	17.7	16.80	15.50	− 2	2.59	2.36	+ 9
3.5	− 7	10	16.0	16.94	15.50	−12	2.55	2.33	+ 8

Mittl. Zeit Greenwich		t	f	$\log g$	G	$\log h$	H	$\log i$	i
			s		h m		h m		″
Mai	3.5	0.3370	+1.984	1.1183	23 19.0	1.2919	14 58.3	0.7753_n	
	4.5	0.3397	1.992	1.1199	23 19.7	1.2925	14 54.4	0.7683_n	
	5.5	0.3424	2.001	1.1216	23 20.3	1.2931	14 50.5	0.7612_n	
	6.5	0.3452	2.009	1.1233	23 20.9	1.2938	14 46.7	0.7537_n	
	7.5	0.3479	2.018	1.1250	23 21.5	1.2944	14 42.9	0.7461_n	
	8.5	0.3507	2.027	1.1267	23 22.1	1.2950	14 39.0	0.7381_n	
	9.5	0.3534	+2.036	1.1283	23 22.7	1.2956	14 35.2	0.7299_n	
	10.5	0.3561	2.045	1.1300	23 23.3	1.2962	14 31.4	0.7214_n	
	11.5	0.3589	2.054	1.1317	23 23.9	1.2969	14 27.6	0.7126_n	
	12.5	0.3616	2.063	1.1335	23 24.5	1.2975	14 23.8	0.7035_n	
	13.5	0.3643	2.072	1.1353	23 25.1	1.2981	14 20.1	0.6941_n	
	14.5	0.3671	2.081	1.1370	23 25.7	1.2986	14 16.3	0.6844_n	
	15.5	0.3698	+2.090	1.1388	23 26.3	1.2992	14 12.6	0.6743_n	−4.724
	16.5	0.3726	2.100	1.1406	23 26.8	1.2998	14 8.9	0.6639_n	4.612
	17.5	0.3753	2.109	1.1425	23 27.4	1.3004	14 5.1	0.6530_n	4.498
	18.5	0.3780	2.119	1.1443	23 27.9	1.3009	14 1.4	0.6418_n	4.383
	19.5	0.3808	2.129	1.1461	23 28.5	1.3015	13 57.7	0.6302_n	4.268
	20.5	0.3835	2.138	1.1479	23 29.0	1.3020	13 54.1	0.6182_n	4.151
	21.5	0.3862	+2.148	1.1498	23 29.6	1.3025	13 50.4	0.6055_n	−4.032
	22.5	0.3890	2.158	1.1517	23 30.1	1.3030	13 46.7	0.5925_n	3.913
	23.5	0.3917	2.168	1.1536	23 30.6	1.3035	13 43.1	0.5790_n	3.793
	24.5	0.3945	2.178	1.1554	23 31.1	1.3040	13 39.4	0.5649_n	3.672
	25.5	0.3972	2.188	1.1574	23 31.6	1.3045	13 35.8	0.5501_n	3.549
	26.5	0.3999	2.198	1.1593	23 32.1	1.3049	13 32.1	0.5347_n	3.425
	27.5	0.4027	+2.208	1.1612	23 32.5	1.3054	13 28.5	0.5186_n	−3.301
	28.5	0.4054	2.219	1.1631	23 33.0	1.3058	13 24.9	0.5019_n	3.176
	29.5	0.4081	2.229	1.1650	23 33.5	1.3062	13 21.3	0.4843_n	3.050
	30.5	0.4109	2.239	1.1669	23 33.9	1.3066	13 17.7	0.4658_n	2.923
	31.5	0.4136	2.250	1.1689	23 34.3	1.3070	13 14.1	0.4465_n	2.796
Juni	1.5	0.4164	2.260	1.1708	23 34.8	1.3074	13 10.5	0.4260_n	2.667
	2.5	0.4191	+2.271	1.1727	23 35.2	1.3077	13 7.0	0.4045_n	−2.538
	3.5	0.4218	2.282	1.1746	23 35.6	1.3081	13 3.4	0.3818_n	2.409
	4.5	0.4246	2.292	1.1766	23 36.0	1.3084	12 59.9	0.3577_n	2.279
	5.5	0.4273	2.303	1.1785	23 36.3	1.3087	12 56.3	0.3320_n	2.148
	6.5	0.4301	2.314	1.1805	23 36.7	1.3090	12 52.8	0.3045_n	2.016
	7.5	0.4328	2.324	1.1824	23 37.1	1.3093	12 49.2	0.2751_n	1.884
	8.5	0.4355	+2.335	1.1843	23 37.4	1.3095	12 45.7	0.2435_n	−1.752
	9.5	0.4383	2.346	1.1863	23 37.7	1.3097	12 42.1	0.2092_n	1.619
	10.5	0.4410	2.357	1.1883	23 38.1	1.3100	12 38.6	0.1717_n	1.485
	11.5	0.4437	2.368	1.1902	23 38.4	1.3102	12 35.1	0.1310_n	1.352
	12.5	0.4465	2.379	1.1922	23 38.7	1.3103	12 31.6	0.0856_n	1.218
	13.5	0.4492	2.390	1.1941	23 39.0	1.3105	12 28.1	0.0346_n	1.083

Mittl. Zeit Greenwich		f'	g'	G'	Allgemeine Präzession seit 1917.0	Δψ	Δψ'	Wahre Schiefe	Δε	Δε'
		in 0.001 "	in 0.01 "	h	"	"	in 0.01 "	23° 27' "	"	in 0.01 "
Mai	3.5	− 7	+10	16.0	+16.94	+15.50	−12	2.55	+2.33	+ 8
	4.5	−12	10	14.5	17.07	15.50	−20	2.50	2.31	+ 6
	5.5	−15	10	13.0	17.21	15.50	−25	2.44	2.28	+ 3
	6.5	−16	11	11.4	17.35	15.50	−26	2.37	2.25	− 2
	7.5	−14	11	9.9	17.49	15.51	−23	2.30	2.23	− 6
	8.5	− 9	10	8.3	17.62	15.51	−15	2.25	2.20	− 8
	9.5	− 3	+10	6.6	+17.76	+15.52	− 4	2.21	+2.17	−10
	10.5	+ 4	9	4.8	17.90	15.53	+ 7	2.19	2.15	− 9
	11.5	+10	9	2.6	18.04	15.54	+16	2.20	2.12	− 5
	12.5	+13	9	0.4	18.17	15.55	+22	2.21	2.10	− 1
	13.5	+13	10	22.3	18.31	15.57	+21	2.24	2.07	+ 4
	14.5	+10	10	20.5	18.45	15.58	+16	2.25	2.04	+ 8
	15.5	+ 4	+10	19.0	+18.59	+15.59	+ 7	2.24	+2.02	+10
	16.5	− 2	10	17.4	18.72	15.61	− 4	2.21	1.99	+10
	17.5	− 7	9	15.7	18.86	15.63	−12	2.16	1.97	+ 7
	18.5	−10	7	13.5	19.00	15.65	−17	2.09	1.94	+ 3
	19.5	−11	7	11.0	19.14	15.67	−17	2.02	1.92	− 2
	20.5	− 8	8	8.7	19.27	15.69	−13	1.95	1.89	− 6
	21.5	− 3	+ 9	6.9	+19.41	+15.71	− 5	1.90	+1.87	− 9
	22.5	+ 3	10	5.3	19.55	15.74	+ 4	1.86	1.85	−10
	23.5	+ 8	10	3.9	19.69	15.76	+13	1.85	1.82	− 9
	24.5	+12	10	2.6	19.82	15.79	+19	1.85	1.80	− 6
	25.5	+13	9	1.1	19.96	15.82	+22	1.86	1.78	− 2
	26.5	+13	8	23.4	20.10	15.85	+21	1.88	1.75	+ 1
	27.5	+10	+ 8	21.6	+20.24	+15.88	+16	1.89	+1.73	+ 5
	28.5	+ 5	8	19.7	20.38	15.91	+ 9	1.89	1.71	+ 7
	29.5	0	9	18.0	20.51	15.94	0	1.88	1.69	+ 9
	30.5	− 6	9	16.4	20.65	15.97	− 9	1.86	1.67	+ 8
	31.5	−11	10	14.9	20.79	16.00	−18	1.82	1.65	+ 7
Juni	1.5	−15	11	13.4	20.93	16.04	−24	1.77	1.63	+ 4
	2.5	−16	+11	11.9	+21.06	+16.07	−27	1.71	+1.61	0
	3.5	−15	11	10.4	21.20	16.11	−25	1.64	1.59	− 4
	4.5	−11	11	8.9	21.34	16.14	−18	1.59	1.57	− 8
	5.5	− 5	10	7.2	21.48	16.18	− 8	1.55	1.55	− 9
	6.5	+ 2	9	5.4	21.61	16.22	+ 4	1.54	1.54	− 9
	7.5	+ 9	9	3.3	21.75	16.26	+14	1.55	1.52	− 7
	8.5	+13	+ 9	1.1	+21.89	+16.29	+21	1.57	+1.50	− 3
	9.5	+14	10	23.0	22.03	16.33	+23	1.60	1.49	+ 2
	10.5	+12	10	21.3	22.16	16.37	+19	1.63	1.47	+ 7
	11.5	+ 7	11	19.7	22.30	16.42	+11	1.64	1.46	+10
	12.5	+ 1	10	18.2	22.44	16.46	+ 1	1.63	1.44	+10
	13.5	− 5	9	16.5	22.58	16.50	− 9	1.60	1.43	+ 8

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i	i
		s		h m		h m		"
Juni 13.5	0.4492	+2.390	1.1941	23 39.0	1.3105	12 28.1	0.0346$_n$	−1.083
14.5	0.4520	2.401	1.1961	23 39.3	1.3106	12 24.5	9.9768$_n$	0.948
15.5	0.4547	2.412	1.1980	23 39.5	1.3108	12 21.0	9.9101$_n$	0.813
16.5	0.4574	2.423	1.1999	23 39.8	1.3109	12 17.5	9.8312$_n$	0.678
17.5	0.4602	2.434	1.2019	23 40.1	1.3110	12 14.0	9.7348$_n$	0.543
18.5	0.4629	2.445	1.2038	23 40.3	1.3110	12 10.5	9.6107$_n$	0.408
19.5	0.4656	+2.456	1.2057	23 40.5	1.3111	12 7.0	9.4346$_n$	−0.272
20.5	0.4684	2.467	1.2076	23 40.7	1.3111	12 3.5	9.1335$_n$	0.136
21.5	0.4711	2.478	1.2095	23 41.0	1.3111	12 0.0	7.0000$_n$	−0.001
22.5	0.4739	2.489	1.2114	23 41.2	1.3111	11 56.5	9.1303	+0.135
23.5	0.4766	2.500	1.2133	23 41.3	1.3111	11 53.0	9.4330	0.271
24.5	0.4793	2.511	1.2152	23 41.5	1.3110	11 49.5	9.6085	0.406
25.5	0.4821	+2.522	1.2171	23 41.7	1.3110	11 46.0	9.7332	+0.541
26.5	0.4848	2.533	1.2189	23 41.9	1.3109	11 42.5	9.8299	0.676
27.5	0.4875	2.544	1.2208	23 42.0	1.3108	11 39.0	9.9090	0.811
28.5	0.4903	2.555	1.2226	23 42.2	1.3106	11 35.5	9.9759	0.946
29.5	0.4930	2.566	1.2245	23 42.3	1.3105	11 32.0	0.0338	1.081
30.5	0.4958	2.576	1.2263	23 42.4	1.3104	11 28.5	0.0846	1.215
Juli 1.5	0.4985	+2.587	1.2281	23 42.5	1.3102	11 25.0	0.1300	+1.349
2.5	0.5012	2.598	1.2299	23 42.6	1.3100	11 21.4	0.1708	1.482
3.5	0.5040	2.609	1.2317	23 42.7	1.3097	11 17.9	0.2082	1.615
4.5	0.5067	2.620	1.2335	23 42.8	1.3095	11 14.4	0.2425	1.748
5.5	0.5095	2.631	1.2353	23 42.9	1.3093	11 10.9	0.2742	1.880
6.5	0.5122	2.641	1.2370	23 43.0	1.3090	11 7.3	0.3036	2.012
7.5	0.5149	+2.652	1.2388	23 43.0	1.3087	11 3.8	0.3310	+2.143
8.5	0.5177	2.663	1.2405	23 43.1	1.3084	11 0.3	0.3568	2.274
9.5	0.5204	2.673	1.2422	23 43.1	1.3081	10 56.7	0.3809	2.404
10.5	0.5231	2.684	1.2439	23 43.2	1.3078	10 53.2	0.4036	2.533
11.5	0.5259	2.694	1.2457	23 43.2	1.3074	10 49.6	0.4250	2.661
12.5	0.5286	2.705	1.2473	23 43.2	1.3070	10 46.1	0.4454	2.789
13.5	0.5314	+2.715	1.2490	23 43.3	1.3067	10 42.5	0.4648	+2.916
14.5	0.5341	2.726	1.2507	23 43.3	1.3063	10 38.9	0.4832	3.042
15.5	0.5368	2.736	1.2523	23 43.3	1.3058	10 35.3	0.5008	3.168
16.5	0.5396	2.746	1.2539	23 43.3	1.3054	10 31.7	0.5175	3.292
17.5	0.5423	2.756	1.2555	23 43.3	1.3050	10 28.1	0.5334	3.415
18.5	0.5450	2.767	1.2571	23 43.3	1.3045	10 24.5	0.5488	3.538
19.5	0.5478	+2.777	1.2586	23 43.3	1.3041	10 20.9	0.5635	+3.660
20.5	0.5505	2.787	1.2602	23 43.2	1.3036	10 17.3	0.5775	3.780
21.5	0.5533	2.796	1.2617	23 43.2	1.3031	10 13.7	0.5911	3.900
22.5	0.5560	2.806	1.2633	23 43.2	1.3026	10 10.0	0.6041	4.019
23.5	0.5587	2.816	1.2648	23 43.2	1.3021	10 6.4	0.6167	4.137
24.5	0.5615	2.826	1.2663	23 43.1	1.3015	10 2.7	0.6287	4.253

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1917.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
	in 0.001 (s)	in 0.01 (")	(h)	(")	(")	in 0.01 (")	23° 27' (")	(")	in 0.01 (")
Juni 13.5	− 5	+ 9	16.5	+22.58	+16.50	− 9	1.60	+1.43	+ 8
14.5	− 9	7	14.4	22.71	16.54	−15	1.55	1.42	+ 4
15.5	−10	7	11.8	22.85	16.58	−17	1.49	1.41	0
16.5	− 9	8	9.3	22.99	16.62	−14	1.43	1.39	− 5
17.5	− 4	8	7.4	23.13	16.67	− 8	1.38	1.38	− 8
18.5	+ 1	9	5.8	23.27	16.71	+ 2	1.36	1.37	−10
19.5	+ 6	+10	4.4	+23.40	+16.75	+10	1.35	+1.36	− 9
20.5	+11	10	3.0	23.54	16.79	+17	1.36	1.35	− 7
21.5	+13	9	1.5	23.68	16.84	+21	1.38	1.34	− 4
22.5	+13	9	23.9	23.82	16.88	+21	1.41	1.34	0
23.5	+11	8	22.1	23.95	16.92	+18	1.44	1.33	+ 4
24.5	+ 7	8	20.2	24.09	16.97	+11	1.46	1.32	+ 7
25.5	+ 1	+ 8	18.5	+24.23	+17.01	+ 2	1.47	+1.31	+ 8
26.5	− 4	9	16.8	24.37	17.05	− 7	1.46	1.31	+ 9
27.5	−10	10	15.3	24.50	17.09	−16	1.44	1.30	+ 7
28.5	−15	10	13.8	24.64	17.14	−24	1.41	1.30	+ 5
29.5	−17	11	12.4	24.78	17.18	−28	1.37	1.29	+ 1
30.5	−17	11	11.0	24.92	17.22	−27	1.32	1.29	− 3
Juli 1.5	−14	+11	9.5	+25.05	+17.26	−22	1.28	+1.29	− 7
2.5	− 8	10	7.8	25.19	17.30	−13	1.25	1.28	− 9
3.5	− 1	9	6.2	25.33	17.34	− 1	1.25	1.28	− 9
4.5	+ 7	9	4.2	25.47	17.38	+10	1.26	1.28	− 8
5.5	+11	8	1.9	25.60	17.42	+19	1.30	1.28	− 4
6.5	+14	9	23.7	25.74	17.45	+23	1.35	1.28	+ 1
7.5	+13	+10	21.8	+25.88	+17.49	+21	1.39	+1.28	+ 5
8.5	+ 9	10	20.3	26.02	17.53	+15	1.42	1.28	+ 9
9.5	+ 3	10	18.8	26.15	17.56	+ 6	1.44	1.28	+10
10.5	− 3	9	17.3	26.29	17.60	− 4	1.43	1.29	+ 9
11.5	− 7	7	15.3	26.43	17.63	−12	1.39	1.29	+ 6
12.5	− 9	6	12.7	26.57	17.67	−15	1.35	1.29	+ 1
13.5	− 9	+ 7	9.8	+26.71	+17.70	−14	1.31	+1.29	− 4
14.5	− 5	8	7.7	26.84	17.73	− 9	1.27	1.30	− 7
15.5	0	9	6.1	26.98	17.76	0	1.25	1.30	− 9
16.5	+ 5	10	4.6	27.12	17.79	+ 8	1.26	1.31	− 9
17.5	+10	10	3.3	27.26	17.82	+16	1.28	1.31	− 8
18.5	+13	9	1.9	27.39	17.85	+21	1.31	1.32	− 5
19.5	+13	+ 9	0.4	+27.53	+17.88	+22	1.35	+1.32	− 1
20.5	+12	8	22.8	27.67	17.90	+20	1.40	1.33	+ 3
21.5	+ 8	8	20.9	27.81	17.93	+14	1.43	1.34	+ 6
22.5	+ 3	8	19.0	27.94	17.95	+ 6	1.46	1.34	+ 8
23.5	− 2	8	17.3	28.08	17.97	− 4	1.47	1.35	+ 9
24.5	− 8	9	15.7	28.22	17.99	−14	1.47	1.36	+ 8

Mittl. Zeit Greenwich		t	f	log g	G	log h	H	log i	i
			s		h m		h m		"
Juli	24.5	0.5615	+2.826	1.2663	23 43.1	1.3015	10 2.7	0.6287	+4.253
	25.5	0.5642	2.835	1.2678	23 43.1	1.3010	9 59.1	0.6403	4.368
	26.5	0.5669	2.845	1.2693	23 43.1	1.3004	9 55.4	0.6515	4.482
	27.5	0.5697	2.854	1.2707	23 43.0	1.2999	9 51.7	0.6623	4.595
	28.5	0.5724	2.864	1.2722	23 43.0	1.2993	9 48.0	0.6727	4.707
	29.5	0.5752	2.873	1.2736	23 42.9	1.2987	9 44.3	0.6828	4.817
	30.5	0.5779	+2.882	1.2750	23 42.9	1.2982	9 40.6	0.6924	
	31.5	0.5806	2.891	1.2763	23 42.8	1.2976	9 36.8	0.7018	
Aug.	1.5	0.5834	2.900	1.2777	23 42.8	1.2970	9 33.1	0.7109	
	2.5	0.5861	2.909	1.2791	23 42.7	1.2964	9 29.3	0.7197	
	3.5	0.5889	2.918	1.2805	23 42.6	1.2958	9 25.6	0.7282	
	4.5	0.5916	2.927	1.2818	23 42.6	1.2952	9 21.8	0.7364	
	5.5	0.5943	+2.936	1.2831	23 42.5	1.2945	9 18.0	0.7443	
	6.5	0.5971	2.945	1.2844	23 42.4	1.2939	9 14.2	0.7520	
	7.5	0.5998	2.953	1.2857	23 42.4	1.2933	9 10.4	0.7594	
	8.5	0.6025	2.962	1.2869	23 42.3	1.2927	9 6.6	0.7666	
	9.5	0.6053	2.970	1.2881	23 42.3	1.2920	9 2.7	0.7735	
	10.5	0.6080	2.978	1.2894	23 42.2	1.2914	8 58.9	0.7802	
	11.5	0.6108	+2.987	1.2906	23 42.1	1.2908	8 55.0	0.7868	
	12.5	0.6135	2.995	1.2917	23 42.1	1.2901	8 51.1	0.7930	
	13.5	0.6162	3.003	1.2929	23 42.0	1.2895	8 47.2	0.7991	
	14.5	0.6190	3.011	1.2940	23 41.9	1.2889	8 43.3	0.8050	
	15.5	0.6217	3.019	1.2952	23 41.9	1.2883	8 39.4	0.8107	
	16.5	0.6244	3.026	1.2963	23 41.8	1.2877	8 35.5	0.8162	
	17.5	0.6272	+3.034	1.2974	23 41.7	1.2871	8 31.6	0.8214	
	18.5	0.6299	3.042	1.2985	23 41.7	1.2864	8 27.6	0.8265	
	19.5	0.6327	3.049	1.2996	23 41.6	1.2858	8 23.7	0.8315	
	20.5	0.6354	3.057	1.3007	23 41.6	1.2853	8 19.7	0.8363	
	21.5	0.6381	3.064	1.3018	23 41.5	1.2847	8 15.7	0.8409	
	22.5	0.6409	3.071	1.3029	23 41.5	1.2841	8 11.7	0.8453	
	23.5	0.6436	+3.079	1.3039	23 41.4	1.2835	8 7.7	0.8495	
	24.5	0.6463	3.086	1.3049	23 41.4	1.2829	8 3.7	0.8536	
	25.5	0.6491	3.093	1.3059	23 41.4	1.2824	7 59.6	0.8576	
	26.5	0.6518	3.100	1.3069	23 41.3	1.2819	7 55.6	0.8614	
	27.5	0.6546	3.107	1.3079	23 41.3	1.2813	7 51.5	0.8650	
	28.5	0.6573	3.114	1.3088	23 41.3	1.2808	7 47.4	0.8685	
	29.5	0.6600	+3.121	1.3098	23 41.2	1.2803	7 43.4	0.8718	
	30.5	0.6628	3.127	1.3107	23 41.2	1.2798	7 39.3	0.8750	
	31.5	0.6655	3.134	1.3116	23 41.2	1.2793	7 35.2	0.8781	
Sept.	1.5	0.6682	3.141	1.3125	23 41.2	1.2789	7 31.0	0.8809	
	2.5	0.6710	3.147	1.3134	23 41.2	1.2784	7 26.9	0.8837	
	3.5	0.6737	3.154	1.3144	23 41.2	1.2780	7 22.8	0.8863	

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1917.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
	s in 0.001	″ in 0.01				″ in 0.01	23° 27′		″ in 0.01
Juli 24.5	− 8	+ 9	h 15.7	″ +28.22	″ +17.99	−14	″ 1.47	″ +1.36	+ 8
25.5	−13	10	14.2	28.36	18.01	−22	1.45	1.36	+ 6
26.5	−17	11	12.8	28.49	18.03	−27	1.42	1.37	+ 3
27.5	−18	11	11.4	28.63	18.05	−29	1.39	1.38	− 2
28.5	−16	12	10.1	28.77	18.06	−26	1.36	1.39	− 6
29.5	−11	11	8.7	28.91	18.08	−18	1.34	1.40	− 8
30.5	− 4	+10	7.1	+29.04	+18.09	− 7	1.34	+1.41	−10
31.5	+ 3	9	5.3	29.18	18.10	+ 4	1.35	1.41	− 9
Aug. 1.5	+ 9	8	2.9	29.32	18.11	+14	1.39	1.42	− 5
2.5	+12	8	0.4	29.46	18.12	+20	1.45	1.43	− 1
3.5	+13	9	22.3	29.60	18.13	+21	1.50	1.44	+ 4
4.5	+10	10	20.7	29.73	18.14	+16	1.55	1.45	+ 8
5.5	+ 5	+10	19.2	+29.87	+18.14	+ 8	1.58	+1.46	+10
6.5	− 1	9	17.8	30.01	18.15	− 1	1.58	1.47	+ 9
7.5	− 6	8	16.1	30.15	18.15	− 9	1.57	1.48	+ 7
8.5	− 9	6	13.7	30.28	18.15	−14	1.53	1.49	+ 3
9.5	− 9	6	10.7	30.42	18.15	−14	1.49	1.50	− 2
10.5	− 6	7	8.1	30.56	18.15	−10	1.46	1.51	− 6
11.5	− 1	+ 9	6.3	+30.70	+18.15	− 2	1.44	+1.52	− 9
12.5	+ 4	10	4.9	30.83	18.14	+ 7	1.44	1.53	−10
13.5	+ 9	10	3.6	30.97	18.14	+15	1.47	1.54	− 8
14.5	+13	10	2.2	31.11	18.13	+21	1.50	1.55	− 6
15.5	+14	9	0.8	31.25	18.12	+23	1.54	1.56	− 2
16.5	+13	9	23.2	31.38	18.11	+22	1.59	1.57	+ 2
17.5	+10	+ 8	21.5	+31.52	+18.10	+17	1.63	+1.58	+ 5
18.5	+ 6	8	19.7	31.66	18.08	+ 9	1.66	1.59	+ 8
19.5	0	8	18.0	31.80	18.07	0	1.68	1.60	+ 8
20.5	− 6	9	16.3	31.93	18.06	−10	1.68	1.60	+ 8
21.5	−11	10	14.7	32.07	18.04	−18	1.67	1.61	+ 6
22.5	−15	10	13.2	32.21	18.02	−25	1.65	1.62	+ 3
23.5	−17	+11	11.8	+32.35	+18.00	−28	1.62	+1.63	0
24.5	−16	11	10.5	32.48	17.98	−26	1.58	1.64	− 4
25.5	−13	11	9.2	32.62	17.96	−21	1.56	1.64	− 8
26.5	− 7	10	7.8	32.76	17.94	−12	1.55	1.65	− 9
27.5	0	9	6.2	32.90	17.91	− 1	1.56	1.66	− 9
28.5	+ 6	8	4.1	33.04	17.89	+ 9	1.58	1.66	− 7
29.5	+10	+ 7	1.4	+33.17	+17.86	+17	1.63	+1.67	− 2
30.5	+12	8	22.8	33.31	17.83	+19	1.68	1.67	+ 2
31.5	+10	9	21.0	33.45	17.81	+16	1.73	1.68	+ 7
Sept. 1.5	+ 6	10	19.4	33.59	17.78	+ 9	1.76	1.68	+ 9
2.5	0	10	18.1	33.72	17.75	0	1.76	1.69	+10
3.5	− 5	9	16.5	33.86	17.71	− 8	1.75	1.69	+ 8

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i
Sept. 3.5	0.6737	+3.154 s	1.3144	23 h 41.2 m	1.2780	7 h 22.8 m	0.8863
4.5	0.6765	3.160	1.3152	23 41.2	1.2776	7 18.6	0.8888
5.5	0.6792	3.167	1.3161	23 41.2	1.2772	7 14.5	0.8911
6.5	0.6819	3.173	1.3170	23 41.2	1.2768	7 10.3	0.8934
7.5	0.6847	3.179	1.3178	23 41.2	1.2765	7 6.1	0.8954
8.5	0.6874	3.185	1.3187	23 41.3	1.2761	7 2.0	0.8973
9.5	0.6902	+3.192	1.3195	23 41.3	1.2758	6 57.8	0.8991
10.5	0.6929	3.198	1.3203	23 41.3	1.2755	6 53.6	0.9008
11.5	0.6956	3.204	1.3212	23 41.4	1.2753	6 49.3	0.9024
12.5	0.6984	3.210	1.3220	23 41.4	1.2750	6 45.1	0.9038
13.5	0.7011	3.216	1.3228	23 41.5	1.2748	6 40.9	0.9050
14.5	0.7038	3.222	1.3236	23 41.6	1.2745	6 36.7	0.9062
15.5	0.7066	+3.228	1.3244	23 41.6	1.2744	6 32.4	0.9073
16.5	0.7093	3.234	1.3252	23 41.7	1.2742	6 28.2	0.9082
17.5	0.7121	3.240	1.3260	23 41.8	1.2741	6 23.9	0.9089
18.5	0.7148	3.246	1.3268	23 41.9	1.2739	6 19.7	0.9096
19.5	0.7175	3.252	1.3275	23 41.9	1.2738	6 15.4	0.9101
20.5	0.7203	3.258	1.3283	23 42.0	1.2738	6 11.2	0.9105
21.5	0.7230	+3.263	1.3291	23 42.2	1.2737	6 6.9	0.9107
22.5	0.7257	3.269	1.3299	23 42.3	1.2737	6 2.7	0.9109
23.5	0.7285	3.275	1.3306	23 42.4	1.2737	5 58.4	0.9109
24.5	0.7312	3.281	1.3314	23 42.5	1.2737	5 54.1	0.9108
25.5	0.7340	3.287	1.3321	23 42.6	1.2737	5 49.8	0.9106
26.5	0.7367	3.293	1.3329	23 42.8	1.2738	5 45.6	0.9102
27.5	0.7394	+3.299	1.3336	23 42.9	1.2739	5 41.3	0.9097
28.5	0.7422	3.305	1.3344	23 43.1	1.2740	5 37.0	0.9091
29.5	0.7449	3.311	1.3352	23 43.2	1.2742	5 32.7	0.9083
30.5	0.7476	3.316	1.3359	23 43.4	1.2743	5 28.5	0.9075
Okt. 1.5	0.7504	3.322	1.3367	23 43.6	1.2745	5 24.2	0.9064
2.5	0.7531	3.328	1.3374	23 43.7	1.2747	5 19.9	0.9053
3.5	0.7559	+3.334	1.3382	23 43.9	1.2750	5 15.6	0.9040
4.5	0.7586	3.340	1.3389	23 44.1	1.2752	5 11.4	0.9026
5.5	0.7613	3.346	1.3397	23 44.3	1.2755	5 7.1	0.9011
6.5	0.7641	3.353	1.3405	23 44.5	1.2758	5 2.8	0.8994
7.5	0.7668	3.359	1.3412	23 44.7	1.2761	4 58.6	0.8976
8.5	0.7696	3.365	1.3420	23 44.9	1.2764	4 54.3	0.8956
9.5	0.7723	+3.371	1.3428	23 45.1	1.2768	4 50.1	0.8935
10.5	0.7750	3.377	1.3436	23 45.3	1.2772	4 45.8	0.8913
11.5	0.7778	3.384	1.3444	23 45.6	1.2776	4 41.6	0.8889
12.5	0.7805	3.390	1.3451	23 45.8	1.2780	4 37.4	0.8864
13.5	0.7832	3.396	1.3459	23 46.0	1.2784	4 33.1	0.8837
14.5	0.7860	3.403	1.3467	23 46.3	1.2789	4 28.9	0.8809

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1917.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
	in 0.001	in 0.01				in 0.01	23° 27′		in 0.01
Sept. 3.5	− 5	+ 9	16ʰ5	+33.86″	+17.71″	− 8	1.75″	+1.69″	+ 8
4.5	− 8	7	14.5	34.00	17.68	−14	1.71	1.69	+ 4
5.5	− 9	6	11.7	34.14	17.65	−15	1.67	1.70	0
6.5	− 7	7	8.8	34.27	17.61	−11	1.63	1.70	− 5
7.5	− 2	8	6.7	34.41	17.58	− 4	1.59	1.70	− 8
8.5	+ 3	10	5.2	34.55	17.54	+ 5	1.58	1.70	− 9
9.5	+ 9	+10	3.9	+34.69	+17.51	+14	1.58	+1.70	− 9
10.5	+13	11	2.6	34.82	17.47	+21	1.60	1.70	− 7
11.5	+15	10	1.2	34.96	17.43	+24	1.64	1.70	− 3
12.5	+14	9	23.8	35.10	17.40	+24	1.67	1.70	+ 1
13.5	+12	9	22.1	35.24	17.36	+20	1.70	1.70	+ 4
14.5	+ 8	9	20.4	35.37	17.32	+13	1.73	1.69	+ 7
15.5	+ 2	+ 8	18.7	+35.51	+17.28	+ 4	1.74	+1.69	+ 8
16.5	− 3	9	17.0	35.65	17.24	− 6	1.73	1.69	+ 8
17.5	− 9	9	15.4	35.79	17.20	−15	1.72	1.68	+ 7
18.5	−13	10	13.8	35.92	17.16	−22	1.68	1.68	+ 4
19.5	−16	10	12.3	36.06	17.11	−26	1.64	1.67	+ 1
20.5	−16	11	10.8	36.20	17.07	−26	1.59	1.67	− 3
21.5	−14	+11	9.3	+36.34	+17.03	−22	1.55	+1.66	− 7
22.5	− 9	11	8.2	36.48	16.99	−14	1.52	1.65	− 9
23.5	− 3	9	6.7	36.61	16.95	− 4	1.51	1.64	− 9
24.5	+ 4	8	4.8	36.75	16.91	+ 6	1.51	1.63	− 8
25.5	+ 8	7	2.4	36.89	16.86	+14	1.54	1.63	− 4
26.5	+11	7	23.6	37.03	16.82	+17	1.57	1.62	+ 1
27.5	+10	+ 8	21.4	+37.16	+16.78	+16	1.61	+1.60	+ 5
28.5	+ 6	9	19.7	37.30	16.74	+10	1.63	1.59	+ 9
29.5	+ 1	10	18.2	37.44	16.70	+ 2	1.63	1.58	+10
30.5	− 5	9	16.7	37.58	16.66	− 8	1.60	1.57	+ 9
Okt. 1.5	− 9	8	15.0	37.71	16.62	−14	1.56	1.56	+ 6
2.5	−10	7	12.7	37.85	16.58	−16	1.50	1.54	+ 1
3.5	− 9	+ 7	9.8	+37.99	+16.54	−14	1.43	+1.53	− 4
4.5	− 5	8	7.4	38.13	16.50	− 7	1.38	1.51	− 7
5.5	+ 1	9	5.7	38.26	16.46	+ 2	1.34	1.50	− 9
6.5	+ 7	10	4.2	38.40	16.42	+11	1.32	1.48	− 9
7.5	+12	10	2.9	38.54	16.38	+19	1.33	1.46	− 8
8.5	+15	10	1.6	38.68	16.35	+24	1.34	1.45	− 4
9.5	+15	+10	0.2	+38.81	+16.31	+25	1.36	+1.43	− 1
10.5	+13	9	22.7	38.95	16.28	+22	1.37	1.41	+ 3
11.5	+10	9	21.0	39.09	16.24	+16	1.39	1.39	+ 6
12.5	+ 5	9	19.4	39.23	16.21	+ 7	1.38	1.37	+ 8
13.5	− 1	9	17.7	39.37	16.18	− 2	1.37	1.35	+ 9
14.5	− 7	9	16.0	39.50	16.15	−11	1.33	1.33	+ 8

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i	i
		s		h m		h m		″
Okt. 14.5	0.7860	+3.403	1.3467	23 46.3	1.2789	4 28.9	0.8809	
15.5	0.7887	3.410	1.3475	23 46.5	1.2794	4 24.7	0.8779	
16.5	0.7915	3.416	1.3484	23 46.8	1.2798	4 20.5	0.8748	
17.5	0.7942	3.423	1.3492	23 47.0	1.2804	4 16.3	0.8715	
18.5	0.7969	3.430	1.3500	23 47.3	1.2809	4 12.1	0.8681	
19.5	0.7997	3.437	1.3509	23 47.6	1.2814	4 7.9	0.8645	
20.5	0.8024	+3.443	1.3517	23 47.8	1.2820	4 3.7	0.8608	
21.5	0.8051	3.450	1.3526	23 48.1	1.2825	3 59.5	0.8568	
22.5	0.8079	3.458	1.3534	23 48.4	1.2831	3 55.4	0.8527	
23.5	0.8106	3.465	1.3543	23 48.6	1.2837	3 51.2	0.8484	
24.5	0.8134	3.472	1.3552	23 48.9	1.2842	3 47.1	0.8440	
25.5	0.8161	3.479	1.3560	23 49.2	1.2849	3 42.9	0.8394	
26.5	0.8188	+3.487	1.3569	23 49.5	1.2855	3 38.8	0.8345	
27.5	0.8216	3.494	1.3579	23 49.8	1.2861	3 34.7	0.8294	
28.5	0.8243	3.501	1.3588	23 50.0	1.2867	3 30.6	0.8243	
29.5	0.8270	3.509	1.3597	23 50.3	1.2873	3 26.5	0.8189	
30.5	0.8298	3.517	1.3606	23 50.6	1.2880	3 22.4	0.8133	
31.5	0.8325	3.525	1.3616	23 50.9	1.2886	3 18.3	0.8075	
Nov. 1.5	0.8353	+3.533	1.3626	23 51.2	1.2893	3 14.3	0.8014	
2.5	0.8380	3.541	1.3635	23 51.5	1.2899	3 10.2	0.7952	
3.5	0.8407	3.549	1.3645	23 51.8	1.2906	3 6.1	0.7887	
4.5	0.8435	3.557	1.3655	23 52.1	1.2913	3 2.1	0.7819	
5.5	0.8462	3.565	1.3665	23 52.4	1.2919	2 58.1	0.7750	
6.5	0.8490	3.574	1.3675	23 52.7	1.2926	2 54.1	0.7677	
7.5	0.8517	+3.582	1.3685	23 53.0	1.2932	2 50.0	0.7603	
8.5	0.8544	3.591	1.3695	23 53.3	1.2939	2 46.1	0.7525	
9.5	0.8572	3.600	1.3705	23 53.6	1.2945	2 42.1	0.7444	
10.5	0.8599	3.608	1.3716	23 53.8	1.2952	2 38.1	0.7362	
11.5	0.8626	3.617	1.3727	23 54.1	1.2958	2 34.1	0.7275	
12.5	0.8654	3.626	1.3737	23 54.4	1.2964	2 30.2	0.7185	
13.5	0.8681	+3.635	1.3748	23 54.7	1.2971	2 26.2	0.7093	+5.120
14.5	0.8709	3.645	1.3759	23 55.0	1.2977	2 22.3	0.6997	5.008
15.5	0.8736	3.654	1.3770	23 55.3	1.2983	2 18.4	0.6897	4.894
16.5	0.8763	3.663	1.3781	23 55.5	1.2989	2 14.4	0.6793	4.779
17.5	0.8791	3.673	1.3792	23 55.8	1.2995	2 10.5	0.6686	4.662
18.5	0.8818	3.682	1.3803	23 56.1	1.3001	2 6.6	0.6574	4.544
19.5	0.8845	+3.692	1.3815	23 56.3	1.3007	2 2.7	0.6458	+4.424
20.5	0.8873	3.702	1.3826	23 56.6	1.3013	1 58.9	0.6338	4.303
21.5	0.8900	3.712	1.3837	23 56.9	1.3019	1 55.0	0.6212	4.180
22.5	0.8928	3.722	1.3849	23 57.1	1.3024	1 51.1	0.6081	4.056
23.5	0.8955	3.732	1.3860	23 57.4	1.3030	1 47.3	0.5945	3.931
24.5	0.8982	3.742	1.3872	23 57.6	1.3035	1 43.4	0.5802	3.804

Mittl. Zeit Greenwich	f'	g'	G'	Allgemeine Präzession seit 1917.0	$\Delta\psi$	$\Delta\psi'$	Wahre Schiefe	$\Delta\varepsilon$	$\Delta\varepsilon'$
	in 0.ˢ001	in 0.″01				in 0.″01	23° 27′		in 0.″01
Okt. 14.5	− 7	+ 9	16.ʰ0	+39.″50	+16.″15	−11	1.″33	+1.″33	+ 8
15.5	−12	9	14.3	39.64	16.12	−19	1.29	1.31	+ 5
16.5	−15	10	12.7	39.78	16.09	−24	1.23	1.29	+ 2
17.5	−15	10	11.3	39.92	16.06	−25	1.17	1.26	− 2
18.5	−14	11	9.8	40.05	16.03	−22	1.11	1.24	− 6
19.5	−10	10	8.5	40.19	16.01	−16	1.05	1.22	− 8
20.5	− 4	+10	7.0	+40.33	+15.98	− 6	1.02	+1.19	− 9
21.5	+ 2	9	5.3	40.47	15.96	+ 4	1.00	1.17	− 8
22.5	+ 8	7	3.1	40.60	15.94	+12	1.01	1.14	− 5
23.5	+10	7	0.5	40.74	15.92	+17	1.03	1.12	− 1
24.5	+10	8	22.0	40.88	15.90	+17	1.05	1.09	+ 4
25.5	+ 7	9	20.1	41.02	15.88	+12	1.06	1.07	+ 8
26.5	+ 2	+10	18.5	+41.15	+15.86	+ 4	1.05	+1.04	+10
27.5	− 4	10	17.0	41.29	15.85	− 6	1.02	1.02	+ 9
28.5	− 8	9	15.4	41.43	15.83	−14	0.97	0.99	+ 7
29.5	−11	7	13.3	41.57	15.82	−18	0.90	0.96	+ 3
30.5	−10	7	10.9	41.70	15.81	−17	0.82	0.94	− 2
31.5	− 7	8	8.4	41.84	15.80	−12	0.75	0.91	− 6
Nov. 1.5	− 2	+ 9	6.5	+41.98	+15.79	− 3	0.70	+0.88	− 9
2.5	+ 4	10	4.9	42.12	15.79	+ 7	0.66	0.86	−10
3.5	+10	11	3.4	42.25	15.78	+16	0.65	0.83	− 8
4.5	+14	10	2.0	42.39	15.78	+22	0.65	0.80	− 5
5.5	+15	10	0.6	42.53	15.78	+25	0.65	0.77	− 2
6.5	+14	10	23.2	42.67	15.78	+23	0.66	0.74	+ 2
7.5	+11	+10	21.5	+42.81	+15.78	+18	0.67	+0.72	+ 5
8.5	+ 6	9	19.9	42.94	15.78	+10	0.66	0.69	+ 8
9.5	0	9	18.2	43.08	15.78	+ 1	0.64	0.66	+ 9
10.5	− 5	9	16.5	43.22	15.79	− 8	0.60	0.63	+ 8
11.5	−10	9	14.8	43.36	15.80	−16	0.56	0.60	+ 6
12.5	−14	9	13.3	43.49	15.81	−22	0.50	0.58	+ 3
13.5	−15	+10	11.7	+43.63	+15.82	−24	0.43	+0.55	− 1
14.5	−14	10	10.3	43.77	15.83	−23	0.36	0.52	− 4
15.5	−11	10	8.7	43.91	15.85	−17	0.30	0.49	− 8
16.5	− 5	10	7.4	44.04	15.86	− 9	0.26	0.47	− 9
17.5	+ 1	9	5.6	44.18	15.88	+ 2	0.24	0.44	− 9
18.5	+ 7	8	3.6	44.32	15.90	+11	0.23	0.41	− 6
19.5	+10	+ 7	1.3	+44.46	+15.92	+17	0.24	+0.38	− 2
20.5	+12	8	22.8	44.59	15.94	+19	0.26	0.36	+ 2
21.5	+ 9	8	20.8	44.73	15.97	+15	0.28	0.33	+ 7
22.5	+ 5	9	19.2	44.87	15.99	+ 7	0.27	0.31	+ 9
23.5	− 2	10	17.6	45.01	16.02	− 2	0.25	0.28	+10
24.5	− 7	9	16.0	45.14	16.04	−11	0.21	0.25	+ 8

Mittl. Zeit Greenwich	t	f	log g	G	log h	H	log i	i
		s		h m		h m		"
Nov. 24.5	0.8982	+3.742	1.3872	23 57.6	1.3035	1 43.4	0.5802	+3.804
25.5	0.9010	3.752	1.3884	23 57.8	1.3040	1 39.6	0.5654	3.676
26.5	0.9037	3.762	1.3896	23 58.1	1.3045	1 35.7	0.5500	3.548
27.5	0.9064	3.772	1.3908	23 58.3	1.3050	1 31.9	0.5338	3.418
28.5	0.9092	3.783	1.3920	23 58.5	1.3054	1 28.1	0.5167	3.286
29.5	0.9119	3.793	1.3931	23 58.7	1.3059	1 24.3	0.4989	3.154
30.5	0.9147	+3.804	1.3943	23 58.9	1.3063	1 20.5	0.4802	+3.021
Dez. 1.5	0.9174	3.815	1.3956	23 59.1	1.3067	1 16.7	0.4604	2.887
2.5	0.9201	3.825	1.3968	23 59.3	1.3072	1 12.9	0.4395	2.751
3.5	0.9229	3.836	1.3980	23 59.5	1.3075	1 9.1	0.4175	2.615
4.5	0.9256	3.847	1.3992	23 59.7	1.3079	1 5.3	0.3939	2.477
5.5	0.9284	3.858	1.4005	23 59.9	1.3083	1 1.5	0.3690	2.339
6.5	0.9311	+3.869	1.4017	0 0.1	1.3086	0 57.7	0.3426	+2.201
7.5	0.9338	3.880	1.4029	0 0.3	1.3089	0 54.0	0.3141	2.061
8.5	0.9366	3.891	1.4042	0 0.4	1.3092	0 50.2	0.2835	1.921
9.5	0.9393	3.902	1.4054	0 0.6	1.3095	0 46.5	0.2507	1.781
10.5	0.9420	3.913	1.4067	0 0.7	1.3097	0 42.7	0.2148	1.640
11.5	0.9448	3.924	1.4079	0 0.9	1.3099	0 39.0	0.1755	1.498
12.5	0.9475	+3.935	1.4091	0 1.0	1.3102	0 35.2	0.1319	+1.355
13.5	0.9503	3.947	1.4103	0 1.1	1.3103	0 31.5	0.0835	1.212
14.5	0.9530	3.958	1.4116	0 1.2	1.3105	0 27.7	0.0290	1.069
15.5	0.9557	3.969	1.4128	0 1.4	1.3107	0 24.0	9.9666	0.926
16.5	0.9585	3.980	1.4141	0 1.5	1.3108	0 20.2	9.8932	0.782
17.5	0.9612	3.992	1.4153	0 1.6	1.3109	0 16.5	9.8048	0.638
18.5	0.9639	+4.003	1.4166	0 1.7	1.3110	0 12.7	9.6937	+0.494
19.5	0.9667	4.015	1.4178	0 1.8	1.3111	0 9.0	9.5428	0.349
20.5	0.9694	4.026	1.4190	0 1.9	1.3111	0 5.3	9.3096	0.204
21.5	0.9722	4.037	1.4203	0 1.9	1.3111	0 1.5	8.7709	+0.059
22.5	0.9749	4.049	1.4215	0 2.0	1.3111	23 57.8	8.9294_n	−0.085
23.5	0.9776	4.060	1.4227	0 2.1	1.3111	23 54.0	9.3617_n	0.230
24.5	0.9804	+4.072	1.4239	0 2.1	1.3110	23 50.3	9.5740_n	−0.375
25.5	0.9831	4.083	1.4251	0 2.2	1.3110	23 46.5	9.7160_n	0.520
26.5	0.9858	4.094	1.4263	0 2.2	1.3109	23 42.8	9.8222_n	0.664
27.5	0.9886	4.106	1.4276	0 2.2	1.3108	23 39.1	9.9074_n	0.808
28.5	0.9913	4.117	1.4288	0 2.3	1.3106	23 35.3	9.9786_n	0.952
29.5	0.9941	4.128	1.4299	0 2.3	1.3105	23 31.6	0.0398_n	1.096
30.5	0.9968	+4.140	1.4311	0 2.3	1.3103	23 27.8	0.0934_n	−1.240
31.5	0.9995	4.151	1.4323	0 2.3	1.3101	23 24.1	0.1408_n	1.383
32.5	1.0023	4.162	1.4335	0 2.3	1.3099	23 20.3	0.1836_n	1.526
33.5	1.0050	4.173	1.4346	0 2.3	1.3097	23 16.6	0.2222_n	1.668
34.5	1.0078	4.184	1.4358	0 2.3	1.3094	23 12.8	0.2574_n	1.809
35.5	1.0105	4.195	1.4370	0 2.3	1.3091	23 9.0	0.2900_n	1.950

Mittl. Zeit Greenwich	f′	g′	G′	Allgemeine Präzession seit 1917.0	Δψ	Δψ′	Wahre Schiefe	Δε	Δε′
	in 0.001	in 0.01				in 0.01	23° 26′		in 0.01
Nov. 24.5	− 7	+ 9	16.0 h	+45.14″	+16.04″	−11	60.21″	+0.25″	+ 8
25.5	−11	8	14.0	45.28	16.07	−18	60.14	0.23	+ 4
26.5	−11	7	11.7	45.42	16.10	−19	60.07	0.21	− 1
27.5	− 9	8	9.3	45.56	16.13	−15	60.00	0.18	− 5
28.5	− 4	9	7.2	45.70	16.17	− 7	59.95	0.16	− 8
29.5	+ 2	10	5.5	45.83	16.20	+ 3	59.91	0.14	−10
30.5	+ 8	+10	4.0	+45.97	+16.24	+13	59.90	+0.11	− 9
Dez. 1.5	+12	10	2.6	46.11	16.27	+20	59.89	0.09	− 6
2.5	+15	10	1.1	46.25	16.31	+24	59.91	0.07	− 3
3.5	+14	9	23.6	46.38	16.35	+23	59.92	0.05	+ 1
4.5	+12	9	22.0	46.52	16.39	+20	59.94	0.03	+ 5
5.5	+ 8	9	20.3	46.66	16.43	+12	59.94	+0.01	+ 7
6.5	+ 2	+ 8	18.6	+46.80	+16.47	+ 3	59.93	−0.01	+ 8
7.5	− 4	9	17.0	46.93	16.51	− 6	59.91	0.03	+ 8
8.5	− 9	9	15.3	47.07	16.56	−14	59.88	0.05	+ 7
9.5	−13	9	13.7	47.21	16.60	−21	59.83	0.06	+ 4
10.5	−15	10	12.2	47.35	16.64	−25	59.78	0.08	0
11.5	−15	10	10.7	47.48	16.69	−24	59.72	0.10	− 3
12.5	−12	+10	9.3	+47.62	+16.73	−20	59.67	−0.11	− 7
13.5	− 7	10	7.9	47.76	16.78	−12	59.64	0.13	− 9
14.5	− 1	9	6.3	47.90	16.83	− 2	59.62	0.14	− 9
15.5	+ 5	8	4.3	48.03	16.88	+ 9	59.62	0.15	− 7
16.5	+10	8	2.0	48.17	16.92	+16	59.64	0.17	− 4
17.5	+12	8	23.7	48.31	16.97	+20	59.67	0.18	+ 1
18.5	+11	+ 9	21.6	+48.45	+17.02	+18	59.70	−0.19	+ 5
19.5	+ 7	10	20.0	48.58	17.07	+12	59.72	0.20	+ 8
20.5	+ 2	10	18.4	48.72	17.12	+ 3	59.73	0.21	+10
21.5	− 4	9	16.8	48.86	17.17	− 8	59.70	0.22	+ 9
22.5	− 9	8	14.9	49.00	17.22	−15	59.66	0.23	+ 6
23.5	−11	7	12.5	49.14	17.26	−18	59.61	0.24	+ 1
24.5	−10	+ 7	10.0	+49.27	+17.31	−16	59.55	−0.24	− 4
25.5	− 6	8	7.9	49.41	17.36	−10	59.51	0.25	− 7
26.5	0	9	6.1	49.55	17.41	− 1	59.48	0.26	− 9
27.5	+ 6	10	4.5	49.69	17.46	+ 9	59.48	0.26	− 9
28.5	+11	10	3.1	49.82	17.51	+18	59.49	0.27	− 7
29.5	+14	10	1.6	49.96	17.55	+23	59.52	0.27	− 4
30.5	+14	+ 9	0.1	+50.10	+17.60	+24	59.55	−0.27	0
31.5	+13	9	22.4	50.24	17.65	+21	59.59	0.28	+ 4
32.5	+ 9	9	20.8	50.37	17.69	+15	59.61	0.28	+ 6
33.5	+ 4	8	19.1	50.51	17.74	+ 6	59.63	0.28	+ 8
34.5	− 2	9	17.4	50.65	17.78	− 3	59.63	0.28	+ 9
35.5	− 8	9	15.6	50.79	17.83	−13	59.61	0.28	+ 7

Reduktionsgrößen 1917

für 0^h Sternzeit Greenwich

Mittlere Zeit Greenwich	*t*	*A*		*A'*	*B*		*B'*	*C*		*D*	
Jan. 0.223	−0.0006	+0.32582	+374	−65	−2.743	1	−90	−3.176	328	+20.175	64
1.220	+0.0022	0.32956	373	−224	2.742	0	−57	3.504	327	20.111	71
2.217	0.0049	0.33329	372	−298	2.742	0	−15	3.831	325	20.040	78
3.215	0.0076	0.33701	370	−285	2.742	0	+33	4.156	325	19.962	84
4.212	0.0103	0.34071	369	−191	2.742	2	+70	4.481	323	19.878	90
5.209	0.0131	0.34440	367	−43	2.744	3	+91	4.804	321	19.788	96
6.207	0.0158	+0.34807	366	+117	−2.747	2	+95	−5.125	320	+19.692	102
7.204	0.0185	0.35173	364	+260	2.749	3	+81	5.445	318	19.590	108
8.201	0.0212	0.35537	362	+358	2.752	4	+53	5.763	315	19.482	114
9.198	0.0240	0.35899	360	+394	2.756	5	+18	6.078	315	19.368	121
10.196	0.0267	0.36259	358	+360	2.761	5	−21	6.393	312	19.247	126
11.193	0.0294	0.36617	357	+264	2.766	6	−55	6.705	310	19.121	133
12.190	0.0322	+0.36972	354	+108	−2.772	6	−78	−7.015	308	+18.988	139
13.187	0.0349	0.37326	351	−80	2.778	6	−89	7.323	306	18.849	144
14.185	0.0376	0.37677	349	−278	2.784	7	−85	7.629	303	18.705	150
15.182	0.0404	0.38026	346	−452	2.791	8	−69	7.932	300	18.555	156
16.179	0.0431	0.38372	344	−571	2.799	7	−29	8.232	297	18.399	162
17.177	0.0458	0.38716	341	−596	2.806	8	+13	8.529	295	18.237	168
18.174	0.0485	+0.39057	338	−520	−2.814	8	+57	−8.824	292	+18.069	174
19.171	0.0513	0.39395	335	−352	2.822	9	+88	9.116	290	17.895	179
20.168	0.0540	0.39730	332	−117	2.831	9	+100	9.406	287	17.716	184
21.166	0.0567	0.40062	330	+132	2.840	10	+89	9.693	283	17.532	190
22.163	0.0595	0.40392	327	+342	2.850	10	+56	9.976	280	17.342	195
23.160	0.0622	0.40719	325	+465	2.860	10	+9	10.256	277	17.147	200
24.157	0.0649	+0.41044	321	+475	−2.870	11	−41	−10.533	273	+16.947	206
25.155	0.0677	0.41365	317	+381	2.881	11	−81	10.806	270	16.741	211
26.152	0.0704	0.41682	315	+209	2.892	10	−103	11.076	267	16.530	216
27.149	0.0731	0.41997	312	+13	2.902	11	−97	11.343	263	16.314	222
28.147	0.0759	0.42309	308	−160	2.913	11	−72	11.606	258	16.092	226
29.144	0.0786	0.42617	305	−264	2.924	12	−32	11.864	256	15.866	231
30.141	0.0813	+0.42922	302	−279	−2.936	11	+15	−12.120	252	+15.635	236
31.138	0.0840	0.43224	299	−212	2.947	12	+56	12.372	247	15.399	241
Febr. 1.136	0.0868	0.43523	296	−76	2.959	11	+86	12.619	243	15.158	245
2.133	0.0895	0.43819	292	+82	2.970	12	+95	12.862	240	14.913	249
3.130	0.0922	0.44111	289	+235	2.982	11	+89	13.102	235	14.664	254
4.127	0.0950	0.44400	286	+350	2.993	12	+65	13.337	232	14.410	259
5.125	0.0977	+0.44686	283	+410	−3.005	11	+32	−13.569	227	+14.151	263
6.122	0.1004	0.44969	279	+401	3.016	12	−6	13.796	222	13.888	267
7.119	0.1032	0.45248	277	+327	3.028	11	−42	14.018	218	13.621	271
8.117	0.1059	0.45525	273	+194	3.039	12	−71	14.236	214	13.350	276
9.114	0.1086	0.45798	270	+17	3.051	11	−88	14.450	209	13.074	280
10.111	0.1113	0.46068		−180	3.062		−89	14.659		12.794	

Reduktionsgrößen 1917

für 0ʰ Sternzeit Greenwich

Mittlere Zeit Greenwich	t	A	Diff.	A′	B	Diff.	B′	C	Diff.	D	Diff.
Febr. 10.111	0.1113	+0.46068	266	−180	−3.062	11	− 89	−14.659	204	+12.794	284
11.108	0.1141	0.46334	264	−369	3.073	11	− 74	14.863	200	12.510	286
12.106	0.1168	0.46598	260	−515	3.084	11	− 45	15.063	195	12.224	290
13.103	0.1195	0.46858	257	−586	3.095	11	− 2	15.258	190	11.934	295
14.100	0.1223	0.47115	254	−560	3.106	10	+ 40	15.448	185	11.639	298
15.097	0.1250	0.47369	251	−437	3.116	10	+ 76	15.633	181	11.341	301
16.095	0.1277	+0.47620	249	−236	−3.126	9	+ 97	−15.814	175	+11.040	305
17.092	0.1305	0.47869	246	+ 3	3.135	10	+ 96	15.989	170	10.735	307
18.089	0.1332	0.48115	242	+226	3.145	9	+ 72	16.159	166	10.428	310
19.086	0.1359	0.48357	241	+384	3.154	9	+ 29	16.325	160	10.118	314
20.084	0.1387	0.48598	237	+440	3.163	8	− 21	16.485	155	9.804	317
21.081	0.1414	0.48835	235	+387	3.171	8	− 66	16.640	150	9.487	319
22.078	0.1441	+0.49070	232	+248	−3.179	7	− 99	−16.790	145	+ 9.168	322
23.076	0.1468	0.49302	230	+ 61	3.186	7	−102	16.935	139	8.846	324
24.073	0.1496	0.49532	227	−119	3.193	7	− 85	17.074	134	8.522	328
25.070	0.1523	0.49759	225	−245	3.200	6	− 49	17.208	128	8.194	329
26.067	0.1550	0.49984	222	−289	3.206	6	− 4	17.336	125	7.865	332
27.065	0.1578	0.50206	221	−244	3.212	5	+ 41	17.461	119	7.533	334
28.062	0.1605	+0.50427	218	−124	−3.217	5	+ 77	−17.580	112	+ 7.199	335
März 1.059	0.1632	0.50645	216	+ 33	3.222	4	+ 94	17.692	107	6.864	338
2.056	0.1660	0.50861	214	+199	3.226	4	+ 94	17.799	102	6.526	339
3.054	0.1687	0.51075	212	+333	3.230	3	+ 74	17.901	96	6.187	342
4.051	0.1714	0.51287	210	+413	3.233	3	+ 43	17.997	90	5.845	343
5.048	0.1741	0.51497	209	+434	3.236	2	+ 7	18.087	86	5.502	343
6.046	0.1769	+0.51706	207	+381	−3.238	1	− 29	−18.173	80	+ 5.159	346
7.043	0.1796	0.51913	206	+270	3.239	1	− 62	18.253	74	4.813	348
8.040	0.1823	0.52119	205	+111	3.240	0	− 83	18.327	68	4.465	348
9.037	0.1851	0.52324	203	− 82	3.240	0	− 89	18.395	63	4.117	348
10.035	0.1878	0.52527	201	−272	3.240	1	− 81	18.458	57	3.769	351
11.032	0.1905	0.52728	201	−437	3.239	2	− 57	18.515	52	3.418	351
12.029	0.1933	+0.52929	200	−538	−3.237	3	− 20	−18.567	47	+ 3.067	352
13.026	0.1960	0.53129	199	−553	3.234	3	+ 24	18.614	40	2.715	352
14.024	0.1987	0.53328	198	−473	3.231	3	+ 64	18.654	34	2.363	353
15.021	0.2015	0.53526	198	−308	3.228	4	+ 91	18.688	29	2.010	353
16.018	0.2042	0.53724	197	− 89	3.224	5	+ 99	18.717	23	1.657	353
17.015	0.2069	0.53921	196	+135	3.219	6	+ 84	18.740	18	1.304	354
18.013	0.2096	+0.54117	196	+314	−3.213	6	+ 48	−18.758	13	+ 0.950	354
19.010	0.2124	0.54313	197	+405	3.207	7	− 1	18.771	7	0.596	354
20.007	0.2151	0.54510	196	+389	3.200	8	− 49	18.778	1	+ 0.242	354
21.005	0.2178	0.54706	195	+274	3.192	9	− 86	18.779	5	− 0.112	354
22.002	0.2206	0.54901	196	+102	3.183	10	−103	18.774	10	0.466	353
22.999	0.2233	0.55097		− 85	3.173		− 93	18.764		0.819	

Reduktionsgrößen 1917

für 0^h Sternzeit Greenwich

Mittlere Zeit Greenwich	*t*	*A*		*A'*	*B*		*B'*	*C*		*D*	
März 22.999	0.2233	+0.55097	196	− 85	−3.″173	10	−93	−18.″764	15	− 0.″819	353
23.996	0.2260	0.55293	197	−239	3.163	10	−65	18.749	22	1.172	353
24.994	0.2288	0.55490	197	−311	3.153	11	−22	18.727	27	1.525	351
25.991	0.2315	0.55687	197	−294	3.142	11	+26	18.700	33	1.876	350
26.988	0.2342	0.55884	198	−194	3.131	12	+65	18.667	38	2.226	350
27.985	0.2369	0.56082	199	− 37	3.119	13	+89	18.629	43	2.576	349
28.983	0.2397	+0.56281	200	+138	−3.106	14	+96	−18.586	49	− 2.925	348
29.980	0.2424	0.56481	200	+291	3.092	14	+83	18.537	54	3.273	346
30.977	0.2451	0.56681	202	+398	3.078	15	+56	18.483	60	3.619	346
31.975	0.2479	0.56883	202	+443	3.063	16	+21	18.423	65	3.965	344
April 1.972	0.2506	0.57085	203	+416	3.047	16	−18	18.358	70	4.309	343
2.969	0.2533	0.57288	205	+325	3.031	16	−52	18.288	76	4.652	340
3.966	0.2561	+0.57493	206	+182	−3.015	17	−75	−18.212	82	− 4.992	339
4.964	0.2588	0.57699	208	+ 2	2.998	18	−88	18.130	86	5.331	338
5.961	0.2615	0.57907	209	−188	2.980	18	−85	18.044	92	5.669	336
6.958	0.2643	0.58116	210	−359	2.962	19	−67	17.952	97	6.005	334
7.955	0.2670	0.58326	212	−484	2.943	19	−35	17.855	102	6.339	332
8.953	0.2697	0.58538	214	−536	2.924	19	+ 6	17.753	107	6.671	330
9.950	0.2724	+0.58752	216	−488	−2.905	21	+47	−17.646	111	− 7.001	327
10.947	0.2752	0.58968	218	−355	2.884	21	+81	17.535	117	7.328	325
11.944	0.2779	0.59186	220	−154	2.863	21	+97	17.418	122	7.653	322
12.942	0.2806	0.59406	221	+ 72	2.842	21	+92	17.296	128	7.975	320
13.939	0.2834	0.59627	224	+266	2.821	22	+64	17.168	132	8.295	318
14.936	0.2861	0.59851	227	+390	2.799	23	+20	17.036	137	8.613	315
15.934	0.2888	+0.60078	229	+411	−2.776	23	−29	−16.899	142	− 8.928	312
16.931	0.2916	0.60307	231	+327	2.753	23	−72	16.757	146	9.240	310
17.928	0.2943	0.60538	233	+162	2.730	23	−98	16.611	152	9.550	306
18.925	0.2970	0.60771	235	− 35	2.707	24	−99	16.459	156	9.856	303
19.923	0.2997	0.61006	238	−211	2.683	25	−78	16.303	161	10.159	301
20.920	0.3025	0.61244	240	−322	2.658	25	−40	16.142	165	10.460	297
21.917	0.3052	+0.61484	243	−341	−2.633	24	+ 7	−15.977	170	−10.757	294
22.914	0.3079	0.61727	245	−267	2.609	25	+51	15.807	174	11.051	291
23.912	0.3107	0.61972	248	−125	2.584	25	+81	15.633	179	11.342	287
24.909	0.3134	0.62220	250	+ 54	2.559	26	+95	15.454	182	11.629	283
25.906	0.3161	0.62470	253	+224	2.533	25	+90	15.272	187	11.912	280
26.904	0.3189	0.62723	256	+358	2.508	25	+68	15.085	192	12.192	277
27.901	0.3216	+0.62979	259	+429	−2.483	26	+35	−14.893	195	−12.469	272
28.898	0.3243	0.63238	261	+431	2.457	26	− 3	14.698	200	12.741	269
29.895	0.3271	0.63499	264	+362	2.431	27	−38	14.498	204	13.010	265
30.893	0.3298	0.63763	266	+237	2.404	27	−68	14.294	208	13.275	261
Mai 1.890	0.3325	0.64029	270	+ 68	2.377	26	−85	14.086	211	13.536	257
2.887	0.3352	0.64299		−118	2.351		−88	13.875		13.793	

Reduktionsgrößen 1917

für 0^h Sternzeit Greenwich

Mittlere Zeit Greenwich		t	A	Δ	A'	B	Δ	B'	C	Δ	D	Δ
						"			"		"	
Mai	2.887	0.3352	+0.64299	272	−118	−2.351	26	− 88	−13.875	215	−13.793	253
	3.884	0.3380	0.64571	275	−297	2.325	27	− 76	13.660	219	14.046	249
	4.882	0.3407	0.64846	278	−441	2.298	27	− 49	13.441	223	14.295	245
	5.879	0.3434	0.65124	280	−517	2.271	26	− 11	13.218	227	14.540	241
	6.876	0.3462	0.65404	283	−505	2.245	26	+ 32	12.991	230	14.781	236
	7.873	0.3489	0.65687	286	−399	2.219	26	+ 70	12.761	233	15.017	232
	8.871	0.3516	+0.65973	288	−220	−2.193	26	+ 93	−12.528	237	−15.249	228
	9.868	0.3544	0.66261	291	+ 5	2.167	27	+ 96	12.291	241	15.477	223
	10.865	0.3571	0.66552	294	+220	2.140	27	+ 78	12.050	244	15.700	218
	11.863	0.3598	0.66846	297	+398	2.113	26	+ 40	11.806	247	15.918	214
	12.860	0.3625	0.67143	299	+441	2.087	25	− 9	11.559	250	16.132	210
	13.857	0.3653	0.67442	302	+395	2.062	26	− 56	11.309	253	16.342	204
	14.854	0.3680	+0.67744	304	+253	−2.036	26	− 89	−11.056	256	−16.546	200
	15.852	0.3707	0.68048	307	+ 57	2.010	25	−101	10.800	259	16.746	195
	16.849	0.3735	0.68355	310	−141	1.985	25	− 89	10.541	262	16.941	190
	17.846	0.3762	0.68665	312	−291	1.960	25	− 56	10.279	265	17.131	185
	18.843	0.3789	0.68977	315	−355	1.935	25	− 13	10.014	267	17.316	181
	19.841	0.3817	0.69292	317	−322	1.910	24	+ 34	9.747	271	17.497	175
	20.838	0.3844	+0.69609	319	−204	−1.886	24	+ 71	− 9.476	272	−17.672	171
	21.835	0.3871	0.69928	321	− 34	1.862	23	+ 92	9.204	276	17.843	165
	22.833	0.3899	0.70249	324	+147	1.839	23	+ 93	8.928	277	18.008	160
	23.830	0.3926	0.70573	326	+302	1.816	24	+ 78	8.651	280	18.168	155
	24.827	0.3953	0.70899	328	+403	1.792	23	+ 47	8.371	281	18.323	150
	25.824	0.3980	0.71227	329	+421	1.769	22	+ 11	8.090	285	18.473	144
	26.822	0.4008	+0.71556	332	+388	−1.747	21	− 26	− 7.805	286	−18.617	140
	27.819	0.4035	0.71888	334	+279	1.726	21	− 58	7.519	288	18.757	134
	28.816	0.4062	0.72222	336	+125	1.705	21	− 80	7.231	290	18.891	129
	29.813	0.4090	0.72558	338	− 61	1.684	21	− 88	6.941	293	19.020	124
	30.811	0.4117	0.72896	340	−247	1.663	20	− 82	6.648	294	19.144	118
	31.808	0.4144	0.73236	341	−408	1.643	20	− 60	6.354	295	19.262	113
Juni	1.805	0.4172	+0.73577	342	−512	−1.623	19	− 26	− 6.059	297	−19.375	107
	2.803	0.4199	0.73919	344	−534	1.604	18	+ 15	5.762	299	19.482	102
	3.800	0.4226	0.74263	345	−462	1.586	18	+ 53	5.463	300	19.584	96
	4.797	0.4253	0.74608	348	−307	1.568	18	+ 85	5.163	301	19.680	91
	5.794	0.4281	0.74956	349	− 90	1.550	17	+ 97	4.862	303	19.771	86
	6.792	0.4308	0.75305	349	+151	1.533	17	+ 88	4.559	304	19.857	81
	7.789	0.4335	+0.75654	351	+335	−1.516	17	+ 55	− 4.255	305	−19.938	74
	8.786	0.4363	0.76005	352	+446	1.499	16	+ 10	3.950	306	20.012	69
	9.783	0.4390	0.76357	353	+450	1.483	15	− 38	3.644	307	20.081	63
	10.781	0.4417	0.76710	354	+348	1.468	14	− 79	3.337	308	20.144	57
	11.778	0.4445	0.77064	355	+170	1.454	14	−100	3.029	308	20.201	52
	12.775	0.4472	0.77419		− 36	1.440		− 97	2.721		20.253	

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für 0^h Sternzeit Greenwich

Mittlere Zeit Greenwich		t	A		A'	B		B'	C		D	
Juni	12.775	0.4472	+0.77419	355	− 36	−1.440	13	− 97	−2.721	310	−20.253	47
	13.772	0.4499	0.77774	355	−216	1.427	13	− 72	2.411	310	20.300	42
	14.770	0.4527	0.78129	356	−322	1.414	12	− 31	2.101	310	20.342	35
	15.767	0.4554	0.78485	357	−332	1.402	12	+ 16	1.791	310	20.377	29
	16.764	0.4581	0.78842	357	−252	1.390	11	+ 59	1.481	312	20.406	24
	17.762	0.4608	0.79199	358	−101	1.379	11	+ 86	1.169	311	20.430	18
	18.759	0.4636	+0.79557	357	+ 78	−1.368	9	+ 96	−0.858	312	−20.448	13
	19.756	0.4663	0.79914	358	+246	1.359	9	+ 87	0.546	312	20.461	7
	20.753	0.4690	0.80272	358	+367	1.350	9	+ 61	−0.234	312	20.468	2
	21.751	0.4718	0.80630	358	+426	1.341	8	+ 26	+0.078	311	20.470	5
	22.748	0.4745	0.80988	358	+410	1.333	7	− 12	0.389	312	20.465	10
	23.745	0.4772	0.81346	357	+323	1.326	7	− 46	0.701	311	20.455	15
	24.742	0.4800	+0.81703	358	+182	−1.319	6	− 73	+1.012	311	−20.440	21
	25.740	0.4827	0.82061	357	+ 3	1.313	6	− 85	1.323	311	20.419	27
	26.737	0.4854	0.82418	356	−186	1.307	5	− 83	1.634	311	20.392	32
	27.734	0.4881	0.82774	355	−364	1.302	4	− 69	1.945	310	20.360	38
	28.732	0.4909	0.83129	355	−497	1.298	4	− 39	2.255	309	20.322	44
	29.729	0.4936	0.83484	355	−557	1.294	4	− 2	2.564	308	20.278	49
	30.726	0.4963	+0.83839	353	−528	−1.290	3	+ 40	+2.872	307	−20.229	54
Juli	1.723	0.4991	0.84192	352	−406	1.287	2	+ 74	3.179	307	20.175	61
	2.721	0.5018	0.84544	351	−211	1.285	2	+ 93	3.486	306	20.114	66
	3.718	0.5045	0.84895	351	+ 23	1.283	2	+ 91	3.792	305	20.048	71
	4.715	0.5073	0.85246	349	+241	1.281	0	+ 69	4.097	303	19.977	77
	5.712	0.5100	0.85595	348	+398	1.281	0	+ 30	4.400	302	19.900	83
	6.710	0.5127	+0.85943	347	+457	−1.281	1	− 18	+4.702	301	−19.817	87
	7.707	0.5155	0.86290	346	+408	1.282	2	− 63	5.003	300	19.730	93
	8.704	0.5182	0.86636	344	+263	1.284	1	− 93	5.303	298	19.637	99
	9.701	0.5209	0.86980	343	+ 71	1.285	2	−100	5.601	296	19.538	104
	10.699	0.5236	0.87323	341	−122	1.287	2	− 84	5.897	296	19.434	110
	11.696	0.5264	0.87664	340	−261	1.289	3	− 49	6.193	293	19.324	115
	12.693	0.5291	+0.88004	337	−311	−1.292	3	− 3	+6.486	292	−19.209	120
	13.691	0.5318	0.88341	336	−268	1.295	3	+ 43	6.778	290	19.089	125
	14.688	0.5346	0.88677	333	−145	1.298	4	+ 77	7.068	288	18.964	130
	15.685	0.5373	0.89010	332	+ 26	1.302	5	+ 95	7.356	286	18.834	136
	16.682	0.5400	0.89342	330	+201	1.307	5	+ 92	7.642	283	18.698	140
	17.680	0.5428	0.89672	327	+342	1.312	6	+ 72	7.925	282	18.558	146
	18.677	0.5455	+0.89999	325	+425	−1.318	6	+ 39	+8.207	279	−18.412	152
	19.674	0.5482	0.90324	323	+434	1.324	6	+ 3	8.486	278	18.260	156
	20.671	0.5509	0.90647	322	+374	1.330	6	− 34	8.764	274	18.104	161
	21.669	0.5537	0.90969	319	+250	1.336	7	− 64	9.038	272	17.943	166
	22.666	0.5564	0.91288	316	+ 82	1.343	7	− 81	9.310	270	17.777	171
	23.663	0.5591	0.91604		−110	1.350		− 87	9.580		17.606	

Reduktionsgrößen 1917

für 0h Sternzeit Greenwich

Mittlere Zeit Greenwich		t	A		A'	B		B'	C		D	
Juli	23.663	0.5591	+0.91604	314	−110	−1.350	8	−87	+ 9.580	267	−17.606	176
	24.661	0.5619	0.91918	312	−297	1.358	8	−76	9.847	265	17.430	181
	25.658	0.5646	0.92230	309	−456	1.366	8	−53	10.112	262	17.249	186
	26.655	0.5673	0.92539	307	−551	1.374	8	−17	10.374	258	17.063	190
	27.652	0.5701	0.92846	305	−567	1.382	9	+23	10.632	257	16.873	195
	28.650	0.5728	0.93151	301	−487	1.391	8	+62	10.889	253	16.678	200
	29.647	0.5755	+0.93452	298	−327	−1.399	8	+88	+11.142	250	−16.478	205
	30.644	0.5783	0.93750	297	−109	1.407	9	+95	11.392	247	16.273	209
	31.641	0.5810	0.94047	295	+117	1.416	10	+82	11.639	243	16.064	213
Aug.	1.639	0.5837	0.94342	291	+302	1.426	9	+47	11.882	241	15.851	218
	2.636	0.5864	0.94633	288	+410	1.435	10	+ 2	12.123	238	15.633	223
	3.633	0.5892	0.94921	286	+412	1.445	10	−45	12.361	234	15.410	227
	4.630	0.5919	+0.95207	284	+309	−1.455	10	−83	+12.595	230	−15.183	231
	5.628	0.5946	0.95491	280	+140	1.465	10	−99	12.825	227	14.952	235
	6.625	0.5974	0.95771	277	− 47	1.475	9	−93	13.052	224	14.717	239
	7.622	0.6001	0.96048	274	−202	1.484	10	−64	13.276	219	14.478	244
	8.620	0.6028	0.96322	272	−283	1.494	9	−22	13.495	216	14.234	247
	9.617	0.6056	0.96594	269	−273	1.503	9	+25	13.711	213	13.987	252
	10.614	0.6083	+0.96863	267	−172	−1.512	10	+66	+13.924	208	−13.735	256
	11.611	0.6110	0.97130	263	− 18	1.522	10	+90	14.132	205	13.479	259
	12.609	0.6137	0.97393	260	+163	1.532	10	+96	14.337	200	13.220	263
	13.606	0.6165	0.97653	258	+319	1.542	10	+82	14.537	197	12.957	266
	14.603	0.6192	0.97911	255	+426	1.552	9	+53	14.734	193	12.691	271
	15.600	0.6219	0.98166	253	+462	1.561	9	+16	14.927	189	12.420	274
	16.598	0.6247	+0.98419	251	+425	−1.570	8	−22	+15.116	184	−12.146	277
	17.595	0.6274	0.98670	248	+322	1.578	9	−54	15.300	181	11.869	281
	18.592	0.6301	0.98918	245	+169	1.587	8	−77	15.481	176	11.588	285
	19.590	0.6329	0.99163	243	− 18	1.595	9	−86	15.657	171	11.303	287
	20.587	0.6356	0.99406	241	−210	1.604	8	−82	15.828	167	11.016	291
	21.584	0.6383	0.99647	237	−381	1.612	8	−62	15.995	163	10.725	295
	22.581	0.6411	+0.99884	234	−505	−1.620	8	−31	+16.158	158	−10.430	296
	23.579	0.6438	1.00118	232	−559	1.628	7	+ 7	16.316	154	10.134	300
	24.576	0.6465	1.00350	230	−526	1.635	7	+47	16.470	149	9.834	303
	25.573	0.6492	1.00580	227	−405	1.642	7	+78	16.619	145	9.531	306
	26.570	0.6520	1.00807	225	−218	1.649	7	+94	16.764	140	9.225	309
	27.568	0.6547	1.01032	223	+ 1	1.656	7	+89	16.904	135	8.916	311
	28.565	0.6574	+1.01255	221	+200	−1.663	6	+63	+17.039	130	− 8.605	314
	29.562	0.6602	1.01476	219	+337	1.669	5	+21	17.169	126	8.291	316
	30.559	0.6629	1.01695	217	+380	1.674	4	−26	17.295	120	7.975	319
	31.557	0.6656	1.01912	215	+319	1.678	5	−69	17.415	116	7.656	320
Sept.	1.554	0.6684	1.02127	212	+176	1.683	5	−95	17.531	111	7.336	323
	2.551	0.6711	1.02339		− 4	1.688		−98	17.642		7.013	

Reduktionsgrößen 1917

für 0ʰ Sternzeit Greenwich

Mittlere Zeit Greenwich	t	A		A'	B		B'	C		D	
Sept. 2.551	0.6711	+1.02339	211	− 4	−1″.688	3	−98	+17″.642	106	−7″.013	325
3.549	0.6738	1.02550	209	−171	1.691	3	−77	17.748	101	6.688	328
4.546	0.6765	1.02759	207	−277	1.694	2	−40	17.849	96	6.360	329
5.543	0.6793	1.02966	205	−294	1.696	2	+ 7	17.945	91	6.031	332
6.540	0.6820	1.03171	204	−218	1.698	1	+51	18.036	86	5.699	333
7.538	0.6847	1.03375	203	− 72	1.699	1	+83	18.122	81	5.366	334
8.535	0.6875	+1.03578	201	+110	−1.700	0	+95	+18.203	75	−5.032	337
9.532	0.6902	1.03779	199	+284	1.700	0	+88	18.278	71	4.695	338
10.529	0.6929	1.03978	199	+416	1.700	0	+65	18.349	65	4.357	340
11.527	0.6957	1.04177	197	+481	1.700	0	+29	18.414	59	4.017	340
12.524	0.6984	1.04374	196	+471	1.700	2	− 8	18.473	55	3.677	342
13.521	0.7011	1.04570	195	+388	1.698	3	−43	18.528	49	3.335	343
14.519	0.7039	+1.04765	194	+250	−1.695	4	−70	+18.577	44	−2.992	343
15.516	0.7066	1.04959	193	+ 77	1.691	4	−83	18.621	39	2.649	346
16.513	0.7093	1.05152	193	−115	1.687	4	−84	18.660	33	2.303	346
17.510	0.7120	1.05345	193	−294	1.683	5	−70	18.693	28	1.957	346
18.508	0.7148	1.05538	192	−437	1.678	5	−44	18.721	22	1.611	348
19.505	0.7175	1.05730	191	−520	1.673	6	− 7	18.743	17	1.263	348
20.502	0.7202	+1.05921	191	−522	−1.667	7	+33	+18.760	12	−0.915	348
21.499	0.7230	1.06112	190	−440	1.660	7	+67	18.772	6	0.567	348
22.497	0.7257	1.06302	190	−285	1.653	8	+90	18.778	0	−0.219	349
23.494	0.7284	1.06492	190	− 84	1.645	9	+93	18.778	5	+0.130	349
24.491	0.7312	1.06682	190	+117	1.636	10	+76	18.773	10	0.479	349
25.489	0.7339	1.06872	191	+273	1.626	11	+39	18.763	15	0.828	349
26.486	0.7366	+1.07063	191	+346	−1.615	10	− 7	+18.748	21	+1.177	349
27.483	0.7393	1.07254	192	+322	1.605	10	−53	18.727	27	1.526	349
28.480	0.7421	1.07446	192	+203	1.595	12	−86	18.700	32	1.875	349
29.478	0.7448	1.07638	193	+ 30	1.583	13	−99	18.668	38	2.224	348
30.475	0.7475	1.07831	193	−147	1.570	13	−88	18.630	43	2.572	347
Okt. 1.472	0.7503	1.08024	193	−280	1.557	14	−57	18.587	49	2.919	347
2.469	0.7530	+1.08217	194	−330	−1.543	14	−12	+18.538	54	+3.266	345
3.467	0.7557	1.08411	196	−284	1.529	15	+34	18.484	59	3.611	345
4.464	0.7585	1.08607	197	−155	1.514	16	+73	18.425	65	3.956	344
5.461	0.7612	1.08804	198	+ 27	1.498	16	+92	18.360	71	4.300	344
6.458	0.7639	1.09002	199	+219	1.482	17	+93	18.289	76	4.644	342
7.456	0.7667	1.09201	200	+377	1.465	17	+76	18.213	81	4.986	340
8.453	0.7694	+1.09401	203	+474	−1.448	18	+44	+18.132	87	+5.326	339
9.450	0.7721	1.09604	204	+496	1.430	18	+ 6	18.045	92	5.665	338
10.448	0.7748	1.09808	205	+441	1.412	20	−31	17.953	97	6.003	336
11.445	0.7776	1.10013	207	+322	1.392	20	−62	17.856	103	6.339	335
12.442	0.7803	1.10220	209	+158	1.372	20	−80	17.753	108	6.674	332
13.439	0.7830	1.10429		− 28	1.352		−86	17.645		7.006	

Reductionsgrößen 1917

für 0h Sternzeit Greenwich

Mittlere Zeit Greenwich		t	A		A'	B		B'	C		D	
Okt.	13.439	0.7830	+1.10429	211	− 28	−1.352	21	−86	+17.645	114	+ 7.006	331
	14.437	0.7858	1.10640	213	−211	1.331	21	−77	17.531	119	7.337	329
	15.434	0.7885	1.10853	215	−363	1.310	22	−56	17.412	124	7.666	326
	16.431	0.7912	1.11068	217	−473	1.288	22	−22	17.288	129	7.992	325
	17.428	0.7940	1.11285	219	−504	1.266	23	+17	17.159	135	8.317	322
	18.426	0.7967	1.11504	221	−453	1.243	24	+55	17.024	140	8.639	320
	19.423	0.7994	+1.11725	224	−324	−1.219	24	+82	+16.884	144	+ 8.959	317
	20.420	0.8021	1.11949	227	−140	1.195	24	+95	16.740	150	9.276	315
	21.418	0.8049	1.12176	229	+ 62	1.171	24	+85	16.590	155	9.591	311
	22.415	0.8076	1.12405	231	+236	1.147	24	+56	16.435	160	9.902	310
	23.412	0.8103	1.12636	235	+338	1.123	25	+13	16.275	164	10.212	306
	24.409	0.8131	1.12871	237	+343	1.098	26	−34	16.111	170	10.518	303
	25.407	0.8158	+1.13108	239	+252	−1.072	26	−73	+15.941	175	+10.821	300
	26.404	0.8185	1.13347	243	+ 88	1.046	26	−97	15.766	180	11.121	296
	27.401	0.8213	1.13590	245	−101	1.020	26	−95	15.586	184	11.417	294
	28.398	0.8240	1.13835	248	−262	0.994	27	−72	15.402	189	11.711	291
	29.396	0.8267	1.14083	251	−353	0.967	27	−31	15.213	194	12.002	287
	30.393	0.8295	1.14334	255	−346	0.940	27	+15	15.019	199	12.289	283
	31.390	0.8322	+1.14589	257	−245	−0.913	28	+59	+14.820	204	+12.572	279
Nov.	1.387	0.8349	1.14846	260	− 75	0.885	27	+87	14.616	208	12.851	276
	2.385	0.8376	1.15106	263	+123	0.858	28	+95	14.408	212	13.127	272
	3.382	0.8404	1.15369	266	+307	0.830	28	+85	14.196	216	13.399	268
	4.379	0.8431	1.15635	269	+436	0.802	28	+58	13.980	221	13.667	264
	5.377	0.8458	1.15904	273	+493	0.774	27	+19	13.759	225	13.931	260
	6.374	0.8486	+1.16177	276	+467	−0.747	28	−18	+13.534	230	+14.191	255
	7.371	0.8513	1.16453	279	+374	0.719	28	−51	13.304	233	14.446	252
	8.368	0.8540	1.16732	282	+224	0.691	28	−75	13.071	238	14.698	247
	9.366	0.8568	1.17014	285	+ 45	0.663	28	−85	12.833	242	14.945	243
	10.363	0.8595	1.17299	288	−141	0.635	28	−81	12.591	247	15.188	238
	11.360	0.8622	1.17587	292	−307	0.607	28	−64	12.344	249	15.426	233
	12.357	0.8649	+1.17879	295	−432	−0.579	27	−35	+12.095	253	+15.659	228
	13.355	0.8677	1.18174	299	−490	0.552	28	+ 2	11.842	257	15.887	224
	14.352	0.8704	1.18473	301	−467	0.524	28	+39	11.585	262	16.111	219
	15.349	0.8731	1.18774	304	−366	0.496	27	+71	11.323	265	16.330	214
	16.347	0.8759	1.19078	306	−196	0.469	26	+90	11.058	268	16.544	209
	17.344	0.8786	1.19384	310	+ 6	0.443	27	+89	10.790	271	16.753	204
	18.341	0.8813	+1.19694	313	+197	−0.416	27	+68	+10.519	275	+16.957	199
	19.338	0.8841	1.20007	316	+333	0.389	27	+30	10.244	278	17.156	194
	20.336	0.8868	1.20323	319	+380	0.362	26	−16	9.966	281	17.350	188
	21.333	0.8895	1.20642	322	+323	0.336	26	−59	9.685	285	17.538	183
	22.330	0.8923	1.20964	324	+180	0.310	25	−89	9.400	288	17.721	177
	23.327	0.8950	1.21288		− 13	0.285		−98	9.112		17.898	

Reduktionsgrößen 1917

für 0^h Sternzeit Greenwich

Mittlere Zeit Greenwich	t	A		A′	B		B′	C		D	
Nov. 23.327	0.8950	+1.21288	328	−13	−0.″285	26	−98	+9.″112	290	+17.″898	172
24.325	0.8977	1.21616	330	−201	0.259	25	−83	8.822	294	18.070	167
25.322	0.9004	1.21946	332	−335	0.234	24	−48	8.528	296	18.237	161
26.319	0.9032	1.22278	335	−375	0.210	24	−3	8.232	299	18.398	155
27.316	0.9059	1.22613	338	−317	0.186	23	+43	7.933	301	18.553	149
28.314	0.9086	1.22951	341	−171	0.163	22	+78	7.632	304	18.702	144
29.311	0.9114	+1.23292	342	+22	−0.141	23	+94	+7.328	305	+18.846	139
30.308	0.9141	1.23634	345	+218	0.118	22	+92	7.023	309	18.985	132
Dez. 1.306	0.9168	1.23979	347	+375	0.096	22	+70	6.714	311	19.117	126
2.303	0.9196	1.24326	349	+466	0.074	21	+35	6.403	313	19.243	120
3.300	0.9223	1.24675	350	+474	0.053	20	−3	6.090	314	19.363	114
4.297	0.9250	1.25025	353	+408	0.033	20	−38	5.776	316	19.477	109
5.295	0.9277	+1.25378	355	+279	−0.013	19	−67	+5.460	319	+19.586	101
6.292	0.9305	1.25733	357	+107	+0.006	18	−82	5.141	320	19.687	96
7.289	0.9332	1.26090	358	−80	0.024	18	−84	4.821	322	19.783	90
8.286	0.9359	1.26448	360	−256	0.042	18	−72	4.499	323	19.873	84
9.284	0.9387	1.26808	361	−399	0.060	17	−48	4.176	324	19.957	77
10.281	0.9414	1.27169	362	−483	0.077	16	−13	3.852	326	20.034	71
11.278	0.9441	+1.27531	363	−493	+0.093	16	+25	+3.526	327	+20.105	66
12.276	0.9469	1.27894	365	−420	0.109	16	+60	3.199	329	20.171	58
13.273	0.9496	1.28259	366	−273	0.125	14	+84	2.870	329	20.229	52
14.270	0.9523	1.28625	366	−74	0.139	14	+92	2.541	329	20.281	47
15.267	0.9551	1.28991	367	+131	0.153	13	+79	2.212	331	20.328	39
16.265	0.9578	1.29358	369	+299	0.166	12	+47	1.881	331	20.367	33
17.262	0.9605	+1.29727	368	+391	+0.178	12	+4	+1.550	332	+20.400	27
18.259	0.9632	1.30095	369	+381	0.190	12	−41	1.218	333	20.427	20
19.256	0.9660	1.30464	369	+274	0.202	10	−78	0.885	332	20.447	14
20.254	0.9687	1.30833	370	+98	0.212	9	−97	0.553	333	20.461	7
21.251	0.9714	1.31203	370	−101	0.221	8	−91	+0.220	333	20.468	1
22.248	0.9742	1.31573	370	−267	0.229	8	−64	−0.113	333	20.469	6
23.245	0.9769	+1.31943	370	−353	+0.237	7	−22	−0.446	333	+20.463	11
24.243	0.9796	1.32313	369	−340	0.244	7	+24	0.779	333	20.452	18
25.240	0.9824	1.32682	369	−232	0.251	6	+66	1.112	332	20.434	25
26.237	0.9851	1.33051	369	−60	0.257	5	+91	1.444	332	20.409	31
27.235	0.9878	1.33420	368	+137	0.262	5	+95	1.776	331	20.378	38
28.232	0.9905	1.33788	367	+313	0.267	4	+80	2.107	330	20.340	44
29.229	0.9933	+1.34155	366	+433	+0.271	3	+49	−2.437	330	+20.296	50
30.226	0.9960	1.34521	366	+475	0.274	2	+11	2.767	330	20.246	57
31.224	0.9987	1.34887	365	+434	0.276	2	−26	3.097	328	20.189	63
32.221	1.0015	1.35252	364	+325	0.278	1	−58	3.425	327	20.126	69
33.218	1.0042	1.35616	362	+168	0.279	1	−78	3.752	325	20.057	76
34.215	1.0069	1.35978		−16	0.280		−84	4.077		19.981	

Mittlere Zeit Greenwich	Rechtwinklige Sonnenkoordinaten, bezogen auf das Äquinoktium 1925.0			Reduktion von dem mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium		
	X	*Y*	*Z*	*f*	log *g*	*G*
1917				s		h m s
Jan. −0.5	+0.155826	−0.890676	−0.386351	−23.586	2.18727	12 4 5
+3.5	0.224445	0.878229	0.380952	23.540	2.18642	12 4 6
7.5	0.291933	0.861428	0.373666	23.495	2.18558	12 4 7
11.5	0.357974	0.840359	0.364529	23.451	2.18476	12 4 9
15.5	0.422253	0.815120	0.353582	23.407	2.18396	12 4 11
19.5	+0.484455	−0.785821	−0.340871	−23.365	2.18317	12 4 15
23.5	0.544258	0.752596	0.326456	23.324	2.18242	12 4 19
27.5	0.601344	0.715621	0.310415	23.285	2.18170	12 4 23
31.5	0.655425	0.675104	0.292841	23.247	2.18100	12 4 27
Febr. 4.5	0.706254	0.631267	0.273827	23.211	2.18032	12 4 32
8.5	+0.753606	−0.584333	−0.253470	−23.177	2.17968	12 4 37
12.5	0.797267	0.534527	0.231866	23.144	2.17907	12 4 41
16.5	0.837030	0.482084	0.209116	23.113	2.17848	12 4 45
20.5	0.872692	0.427255	0.185329	23.083	2.17792	12 4 49
24.5	0.904065	0.370319	0.160631	23.054	2.17738	12 4 52
28.5	+0.931006	−0.311585	−0.135154	−23.027	2.17686	12 4 54
März 4.5	0.953413	0.251356	0.109031	23.000	2.17636	12 4 56
8.5	0.971209	0.189925	0.082386	22.975	2.17588	12 4 57
12.5	0.984334	0.127581	0.055342	22.950	2.17541	12 4 57
16.5	0.992736	0.064609	0.028024	22.925	2.17495	12 4 56
20.5	+0.996370	−0.001303	−0.000561	−22.901	2.17450	12 4 54
24.5	0.995213	+0.062022	+0.026909	22.877	2.17404	12 4 51
28.5	0.989288	0.125042	0.054244	22.852	2.17357	12 4 47
April 1.5	0.978658	0.187446	0.081311	22.828	2.17309	12 4 42
5.5	0.963407	0.248947	0.107987	22.803	2.17261	12 4 36
9.5	+0.943631	+0.309272	+0.134155	−22.777	2.17211	12 4 30
13.5	0.919433	0.368158	0.159700	22.750	2.17159	12 4 22
17.5	0.890919	0.425342	0.184508	22.722	2.17105	12 4 14
21.5	0.858218	0.480549	0.208455	22.693	2.17049	12 4 5
25.5	0.821500	0.533505	0.231424	22.663	2.16991	12 3 56
29.5	+0.780969	+0.583963	+0.253309	−22.631	2.16930	12 3 47
Mai 3.5	0.736839	0.631704	0.274017	22.598	2.16867	12 3 38
7.5	0.689333	0.676533	0.293463	22.564	2.16801	12 3 28
11.5	0.638669	0.718268	0.311570	22.528	2.16732	12 3 19
15.5	0.585063	0.756730	0.328255	22.491	2.16660	12 3 9

Mittlere Zeit Greenwich	Rechtwinklige Sonnenkoordinaten, bezogen auf das Äquinoktium 1925.0			Reduktion von dem mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium		
	X	*Y*	*Z*	*f*	log *g*	*G*
1917				s		h m s
Mai 15.5	+0.585063	+0.756730	+0.328255	—22.491	2.16660	12 3 9
19.5	0.528754	0.791733	0.343439	22.453	2.16586	12 3 0
23.5	0.470014	0.823108	0.357046	22.414	2.16509	12 2 51
27.5	0.409135	0.850712	0.369017	22.373	2.16430	12 2 43
31.5	0.346416	0.874437	0.379307	22.332	2.16349	12 2 36
Juni 4.5	+0.282147	+0.894199	+0.387881	—22.290	2.16267	12 2 29
8.5	0.216610	0.909931	0.394708	22.247	2.16183	12 2 22
12.5	0.150078	0.921569	0.399758	22.203	2.16097	12 2 17
16.5	0.082842	0.929044	0.402999	22.159	2.16011	12 2 13
20.5	+0.015219	0.932311	0.404414	22.115	2.15925	12 2 9
24.5	—0.052467	+0.931354	+0.403996	—22.071	2.15838	12 2 6
28.5	0.119897	0.926191	0.401756	22.027	2.15752	12 2 4
Juli 2.5	0.186765	0.916864	0.397712	21.983	2.15666	12 2 3
6.5	0.252785	0.903431	0.391888	21.940	2.15580	12 2 3
10.5	0.317686	0.885948	0.384305	21.898	2.15496	12 2 4
14.5	—0.381181	+0.864471	+0.374987	—21.856	2.15413	12 2 5
18.5	0.442968	0.839079	0.363970	21.815	2.15332	12 2 7
22.5	0.502749	0.809884	0.351304	21.776	2.15253	12 2 10
26.5	0.560239	0.777026	0.337050	21.737	2.15176	12 2 13
30.5	0.615177	0.740667	0.321281	21.699	2.15101	12 2 17
Aug. 3.5	—0.667328	+0.700979	+0.304068	—21.663	2.15029	12 2 20
7.5	0.716475	0.658129	0.285481	21.629	2.14960	12 2 24
11.5	0.762393	0.612284	0.265593	21.595	2.14893	12 2 28
15.5	0.804849	0.563633	0.244487	21.563	2.14828	12 2 32
19.5	0.843624	0.512394	0.222259	21.532	2.14766	12 2 36
23.5	—0.878521	+0.458810	+0.199015	—21.503	2.14706	12 2 40
27.5	0.909374	0.403136	0.174868	21.475	2.14649	12 2 43
31.5	0.936052	0.345636	0.149928	21.448	2.14595	12 2 45
Sept. 4.5	0.958441	0.286555	0.124301	21.422	2.14542	12 2 47
8.5	0.976425	0.226140	0.098092	21.396	2.14491	12 2 47
12.5	—0.989888	+0.164658	+0.071419	—21.372	2.14441	12 2 47
16.5	0.998733	0.102390	0.044409	21.348	2.14391	12 2 47
20.5	1.002898	+0.039647	+0.017193	21.324	2.14343	12 2 45
24.5	1.002357	—0.023266	—0.010094	21.301	2.14295	12 2 42
28.5	0.997114	0.086046	0.037325	21.277	2.14248	12 2 38

Mittlere Zeit Greenwich	Rechtwinklige Sonnenkoordinaten, bezogen auf das Äquinoktium 1925.0			Reduktion von dem mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium		
	X	Y	Z	f	log g	G
1917				s		h m s
Sept. 28.5	−0.997114	−0.086046	−0.037325	−21.277	2.14248	12 2 38
Okt. 2.5	0.987199	0.148412	0.064378	21.253	2.14200	12 2 33
6.5	0.972639	0.210089	0.091134	21.229	2.14150	12 2 27
10.5	0.953464	0.270792	0.117468	21.204	2.14099	12 2 20
14.5	0.929733	0.330219	0.143246	21.179	2.14046	12 2 12
18.5	−0.901539	−0.388066	−0.168338	−21.152	2.13992	12 2 3
22.5	0.869013	0.444036	0.192613	21.124	2.13934	12 1 54
26.5	0.832318	0.497848	0.215954	21.095	2.13874	12 1 44
30.5	0.791633	0.549253	0.238252	21.065	2.13811	12 1 34
Nov. 3.5	0.747136	0.598015	0.259406	21.033	2.13745	12 1 23
7.5	−0.699007	−0.643895	−0.279311	−20.999	2.13676	12 1 12
11.5	0.647455	0.686652	0.297858	20.964	2.13603	12 1 1
15.5	0.592720	0.726051	0.314946	20.928	2.13527	12 0 50
19.5	0.535074	0.761873	0.330482	20.890	2.13448	12 0 39
23.5	0.474816	0.793937	0.344389	20.850	2.13366	12 0 28
27.5	−0.412248	−0.822092	−0.356603	−20.809	2.13281	12 0 18
Dez. 1.5	0.347663	0.846211	0.367068	20.767	2.13193	12 0 9
5.5	0.281352	0.866171	0.375728	20.724	2.13102	12 0 1
9.5	0.213629	0.881853	0.382530	20.680	2.13010	11 59 53
13.5	0.144825	0.893155	0.387430	20.635	2.12916	11 59 47
17.5	−0.075298	−0.900002	−0.390397	−20.590	2.12821	11 59 42
21.5	−0.005414	0.902359	0.391418	20.544	2.12724	11 59 37
25.5	+0.064471	0.900232	0.390497	20.499	2.12628	11 59 34
29.5	0.134024	0.893645	0.387642	20.453	2.12532	11 59 32
31.5	0.168574	0.888688	0.385493	20.431	2.12484	11 59 31

$$\text{Red. in } \alpha = f + {}^1\!/_{15}\, g \sin(G+\alpha) \operatorname{tg} \delta$$
$$\text{Red. in } \delta = g \cos(G+\alpha)$$

Für α und δ sind ihre genäherten Werte für das Äquinoktium $\frac{t_1 + t_2}{2}$ zu setzen (t_1 das instantane wahre Äquinoktium, t_2 das Normaläquinoktium 1925.0); will man hingegen die auf das Äquinoktium t_2 bezogenen Koordinaten benutzen, so hat man noch die auf der folgenden Seite gegebenen Korrektionen anzubringen.

Korrektion der Reduktion vom mittleren Äquinoktium 1925.0 auf das jedesmalige wahre Äquinoktium (s. S. 255*/257*), berechnet für 1917.5, mit Hinzufügung ihrer einjährigen Änderung

α	δ +60°	+50°	+30°	+10°	−10°	−30°	−50°	−60°
	Für Rektaszension (in 0ˢ.001)							
0ʰ	+15 −4	+11 −3	+ 5 −1	+ 2 −1	− 1 0	− 4 +1	− 9 +3	−14 +4
1	+21 −6	+14 −4	+ 7 −2	+ 3 −1	0 0	− 3 +1	− 6 +2	− 7 +2
2	+24 −6	+15 −4	+ 7 −2	+ 3 −1	+ 1 0	− 1 0	− 2 +1	− 1 0
3	+23 −6	+14 −4	+ 7 −2	+ 3 −1	+ 1 0	0 0	+ 1 0	+ 3 −1
4	+19 −5	+11 −3	+ 5 −1	+ 3 −1	+ 1 0	+ 1 0	+ 2 0	+ 5 −1
5	+10 −3	+ 6 −2	+ 3 −1	+ 2 −1	+ 1 0	+ 1 0	+ 2 0	+ 3 −1
6	0 0	0 0	0 0	0 0	+ 1 0	+ 1 0	+ 1 0	+ 1 0
7	−10 +3	− 6 +2	− 2 +1	− 1 0	0 0	0 0	0 0	− 2 0
8	−18 +5	−11 +3	− 5 +1	− 2 +1	0 0	0 0	0 0	− 3 +1
9	−23 +6	−14 +4	− 6 +2	− 3 +1	0 0	+ 1 0	+ 1 0	− 2 0
10	−23 +6	−14 +4	− 6 +2	− 2 +1	0 0	+ 2 −1	+ 3 −1	+ 2 −1
11	−20 +5	−13 +3	− 6 +2	− 2 +1	+ 1 0	+ 4 −1	+ 7 −2	+ 8 −2
12	−14 +4	− 9 +3	− 4 +1	− 1 0	+ 2 −1	+ 5 −1	+11 −3	+15 −4
13	− 7 +2	− 6 +1	− 3 +1	0 0	+ 3 −1	+ 7 −2	+14 −4	+21 −6
14	− 1 0	− 2 +1	− 1 0	+ 1 0	+ 3 −1	+ 7 −2	+15 −4	+24 −6
15	+ 3 −1	+ 1 0	0 0	+ 1 0	+ 3 −1	+ 7 −2	+14 −4	+23 −6
16	+ 5 −1	+ 2 0	+ 1 0	+ 1 0	+ 3 −1	+ 5 −1	+11 −3	+19 −5
17	+ 3 −1	+ 2 0	+ 1 0	+ 1 0	+ 2 −1	+ 3 −1	+ 6 −2	+10 −3
18	+ 1 0	+ 1 0	+ 1 0	+ 1 0	0 0	0 0	0 0	0 0
19	− 2 0	0 0	0 0	0 0	− 1 0	− 2 +1	− 6 +2	−10 +3
20	− 3 +1	0 0	0 0	0 0	− 2 +1	− 5 +1	−11 +3	−18 +5
21	− 2 0	+ 1 0	+ 1 0	0 0	− 3 +1	− 6 +2	−14 +4	−23 +6
22	+ 2 −1	+ 3 −1	+ 2 −1	0 0	− 2 +1	− 6 +2	−14 +4	−23 +6
23	+ 8 −2	+ 7 −2	+ 4 −1	+ 1 0	− 2 +1	− 6 +2	−13 +3	−20 +5
24	+15 −4	+11 −3	+ 5 −1	+ 2 −1	− 1 0	− 4 +1	− 9 +3	−14 +4
	Für Deklination (in 0″.01)							
0ʰ	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
1	− 4 +1	− 4 +1	− 4 +1	− 4 +1	− 3 +1	− 3 +1	− 3 +1	− 3 +1
2	− 9 +2	− 8 +2	− 7 +2	− 7 +2	− 6 +2	− 6 +2	− 5 +1	− 4 +1
3	−14 +4	−12 +3	−11 +3	−10 +3	− 9 +2	− 7 +2	− 6 +2	− 4 +1
4	−18 +5	−16 +4	−13 +4	−12 +3	−10 +3	− 9 +2	− 6 +2	− 4 +1
5	−21 +6	−18 +5	−15 +4	−13 +4	−11 +3	− 9 +2	− 6 +2	− 3 +1
6	−22 +6	−19 +5	−16 +4	−14 +4	−12 +3	− 9 +3	− 6 +2	− 3 +1
7	−21 +6	−18 +5	−15 +4	−13 +3	−11 +3	− 9 +2	− 6 +2	− 3 +1
8	−18 +5	−16 +4	−13 +4	−11 +3	−10 +3	− 8 +2	− 6 +2	− 4 +1
9	−13 +4	−12 +3	−10 +3	− 9 +2	− 8 +2	− 7 +2	− 5 +1	− 4 +1
10	− 8 +2	− 8 +2	− 7 +2	− 6 +2	− 6 +2	− 5 +1	− 4 +1	− 4 +1
11	− 4 +1	− 3 +1	− 3 +1	− 3 +1	− 3 +1	− 3 +1	− 3 +1	− 2 +1
12	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
13	+ 3 −1	+ 3 −1	+ 3 −1	+ 3 −1	+ 4 −1	+ 4 −1	+ 4 −1	+ 4 −1
14	+ 4 −1	+ 5 −1	+ 6 −2	+ 6 −2	+ 7 −2	+ 7 −2	+ 8 −2	+ 9 −2
15	+ 4 −1	+ 6 −2	+ 7 −2	+ 9 −2	+10 −3	+11 −3	+12 −3	+14 −4
16	+ 4 −1	+ 6 −2	+ 9 −2	+10 −3	+12 −3	+13 −4	+16 −4	+18 −5
17	+ 3 −1	+ 6 −2	+ 9 −2	+11 −3	+13 −4	+15 −4	+18 −5	+21 −6
18	+ 3 −1	+ 6 −2	+ 9 −3	+12 −3	+14 −4	+16 −4	+19 −5	+22 −6
19	+ 3 −1	+ 6 −2	+ 9 −2	+11 −3	+13 −3	+15 −4	+18 −5	+21 −6
20	+ 4 −1	+ 6 −2	+ 8 −2	+10 −3	+11 −3	+13 −4	+16 −4	+18 −5
21	+ 4 −1	+ 5 −1	+ 7 −2	+ 8 −2	+ 9 −2	+10 −3	+12 −3	+13 −4
22	+ 4 −1	+ 4 −1	+ 5 −1	+ 6 −2	+ 6 −2	+ 7 −2	+ 8 −2	+ 8 −2
23	+ 2 −1	+ 3 −1	+ 3 −1	+ 3 −1	+ 3 −1	+ 3 −1	+ 3 −1	+ 4 −1
24	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0

Übertragung mittlerer Polsternörter von dem Äquinoktium t_1 auf $t_2 = 1917.0$

t_1	$90° - (N)$	$(m) + (N) - 90°$	(n)
1755	+62′ 10.″48	+62′ 12.″56	+54′ 8.″29
1790	48 44.98	48 46.25	42 26.36
1800	44 54.79	44 55.87	39 5.82
1810	41 4.58	41 5.48	35 45.29
1825	35 19.22	35 19.88	30 44.50
1830	+33 24.09	+33 24.69	+29 4.24
1835	31 28.96	31 29.49	27 23.98
1840	29 33.82	29 34.28	25 43.72
1845	27 38.67	27 39.08	24 3.47
1850	25 43.52	25 43.88	22 23.22
1855	+23 48.36	+23 48.67	+20 42.96
1860	21 53.20	21 53.46	19 2.72
1865	19 58.03	19 58.25	17 22.47
1870	18 2.87	18 3.05	15 42.22
1875	16 7.69	16 7.84	14 1.98
1880	+14 12.51	+14 12.62	+12 21.74
1885	12 17.32	12 17.41	10 41.50
1890	10 22.13	10 22.19	9 1.26
1895	8 26.93	8 26.98	7 21.02
1900	6 31.33	6 31.76	5 40.79
1905	+ 4 36.52	+ 4 36.54	+ 4 0.55
1910	2 41.31	2 41.31	2 20.32
1915	+ 0 46.09	+ 0 46.09	+ 0 40.09
1920	− 1 9.12	− 1 9.13	− 1 0.14

Sind α_1, δ_1 die Koordinaten für t_1, und α_2, δ_2 jene für 1917.0, so hat man

$$a_1 = \alpha_1 - [(N) - 90°]$$

$$p = \left(\operatorname{tang} \delta_1 + \cos a_1 \operatorname{tang} \tfrac{1}{2}(n)\right) \sin (n)$$

$$\operatorname{tang} \Delta a = \frac{p \sin a_1}{1 - p \cos a_1}$$

$$\alpha_2 = a_1 + (m) + \Delta a$$

$$\operatorname{tang} \tfrac{1}{2}(\delta_2 - \delta_1) = \cos (a_1 + \tfrac{1}{2}\Delta a) \sec \tfrac{1}{2}\Delta a \operatorname{tang} \tfrac{1}{2}(n)$$

oder, fast immer ausreichend genau:

$$\delta_2 = \delta_1 + (n) \cos (a_1 + \tfrac{1}{2}\Delta a) \sec \tfrac{1}{2}\Delta a$$

Übertragung mittlerer Sternörter von dem Äquinoktium t_1 auf $t_2 = 1917.0$

t_1	$m^s \tau$	$\log [n^s \tau]$	$\log [n'' \tau]$
1755	+8ᵐ 17.ˢ525	2.335588	3.511678
1790	6 30.077	2.229844	3.405935
1800	5 59.373	2.194218	3.370309
1810	5 28.667	2.155407	3.331498
1825	4 42.605	2.089797	3.265888
1830	+4 27.250	2.065524	3.241615
1835	4 11.894	2.039814	3.215905
1840	3 56.538	2.012485	3.188576
1845	3 41.182	1.983323	3.159414
1850	3 25.826	1.952061	3.128152
1855	+3 10.468	1.918374	3.094465
1860	2 55.111	1.881852	3.057943
1865	2 39.752	1.841975	3.018066
1870	2 24.394	1.79806	2.97416
1875	2 9.035	1.74921	2.92530
1880	+1 53.676	1.69416	2.87025
1885	1 38.315	1.63110	2.80719
1890	1 22.955	1.55731	2.73340
1895	1 7.594	1.46837	2.64446
1900	0 52.232	1.35639	2.53248
1905	+0 36.870	1.20512	2.38121
1910	0 21.508	0.97103	2.14712
1915	+0 6.145	0.42696	1.60305
1920	−0 9.218	0.60304_n	1.77913_n

Sind α_1, δ_1 die Koordinaten für t_1 und α_2, δ_2 jene für $t_2 =$ 1917.0, ist ferner α', δ' der genäherte Sternort für die Zeit

$$\tfrac{1}{2}(t_1 + t_2),$$

so ist

$$\alpha_2 = \alpha_1 + m^s \tau + [n^s \tau] \sin \alpha' \operatorname{tg} \delta'$$

$$\delta_2 = \delta_1 + [n'' \tau] \cos \alpha'$$

α	0h, 12h		1h, 13h		2h, 14h		3h, 15h		4h, 16h		5h, 17h	
m	+A₁−	+D−	+A₁−	+D−	+A₁−	+D−	+A₁−	+D−	+A₁−	+D−	+A₁−	+D−
	s	″	s	″	s	″	s	″	s	″	s	″
0	0.010	160.36	2.776	154.86	5.354	138.81	7.566	113.29	9.263	80.06	10.329	41.37
1	056	160.36	821	154.68	394	138.46	599	112.80	286	79.45	341	40.70
2	103	160.35	866	154.49	434	138.10	632	112.30	309	78.84	353	40.02
3	149	160.35	911	154.30	474	137.74	665	111.80	332	78.23	364	39.34
4	196	160.34	2.956	154.11	514	137.38	697	111.29	355	77.62	375	38.66
5	243	160.33	3.001	153.92	554	137.02	729	110.78	378	77.01	386	37.98
6	289	160.31	045	153.72	594	136.66	761	110.27	400	76.39	397	37.30
7	336	160.29	090	153.52	634	136.29	793	109.77	422	75.78	408	36.62
8	383	160.26	135	153.31	673	135.92	825	109.26	444	75.16	419	35.93
9	429	160.23	179	153.10	713	135.55	857	108.75	466	74.54	429	35.25
10	0.476	160.20	3.224	152.89	5.752	135.17	7.888	108.23	9.488	73.91	10.439	34.57
11	522	160.17	268	152.68	791	134.79	920	107.71	509	73.29	449	33.89
12	569	160.13	313	152.47	830	134.41	951	107.20	530	72.67	459	33.20
13	616	160.09	357	152.25	869	134.03	7.982	106.68	551	72.05	469	32.52
14	662	160.05	401	152.03	908	133.65	8.013	106.15	572	71.42	478	31.83
15	709	160.01	446	151.80	947	133.26	044	105.63	593	70.80	487	31.15
16	755	159.96	490	151.57	5.986	132.87	075	105.10	613	70.17	496	30.46
17	802	159.91	534	151.34	6.025	132.48	105	104.57	633	69.54	505	29.78
18	848	159.86	578	151.11	063	132.08	135	104.04	653	68.90	514	29.09
19	895	159.80	622	150.88	102	131.68	166	103.51	673	68.27	522	28.40
20	0.942	159.74	3.665	150.64	6.140	131.27	8.196	102.97	9.693	67.64	10.530	27.71
21	0.988	159.68	709	150.40	178	130.87	226	102.43	713	67.01	538	27.02
22	1.034	159.61	753	150.16	216	130.47	255	101.89	732	66.37	546	26.33
23	080	159.54	797	149.92	254	130.06	285	101.35	751	65.74	553	25.64
24	127	159.47	840	149.67	292	129.65	314	100.81	770	65.10	560	24.94
25	174	159.39	884	149.41	329	129.24	344	100.26	789	64.46	567	24.25
26	220	159.31	927	149.15	367	128.82	373	99.71	808	63.82	574	23.56
27	266	159.23	3.970	148.89	404	128.41	402	99.16	827	63.17	581	22.87
28	312	159.15	4.014	148.63	441	127.99	430	98.61	845	62.53	588	22.18
29	359	159.06	057	148.37	479	127.57	459	98.06	863	61.89	594	21.48
30	1.405	158.97	4.100	148.10	6.516	127.14	8.487	97.51	9.881	61.24	10.600	20.79
31	451	158.88	143	147.83	553	126.71	516	96.95	899	60.59	606	20.10
32	497	158.78	186	147.56	590	126.28	544	96.39	916	59.94	612	19.40
33	544	158.68	229	147.28	626	125.85	572	95.83	933	59.29	618	18.71
34	590	158.58	272	147.00	663	125.41	599	95.27	950	58.64	623	18.01
35	636	158.48	314	146.72	699	124.97	627	94.71	967	57.98	628	17.31
36	682	158.37	357	146.44	735	124.53	655	94.14	9.984	57.33	633	16.62
37	728	158.26	400	146.15	772	124.09	682	93.57	10.001	56.68	638	15.93
38	774	158.14	442	145.86	808	123.65	709	93.00	017	56.03	643	15.23
39	820	158.02	484	145.57	844	123.20	736	92.43	033	55.37	647	14.53
40	1.866	157.90	4.527	145.28	6.879	122.75	8.763	91.86	10.049	54.71	10.651	13.83
41	912	157.78	569	144.98	915	122.30	790	91.29	065	54.06	655	13.14
42	1.958	157.65	611	144.68	950	121.84	816	90.71	081	53.40	659	12.44
43	2.003	157.52	653	144.38	6.986	121.39	842	90.13	096	52.74	662	11.74
44	049	157.39	695	144.07	7.021	120.93	868	89.55	111	52.07	665	11.04
45	095	157.25	737	143.76	056	120.47	894	88.98	126	51.41	668	10.34
46	141	157.11	779	143.45	091	120.01	920	88.40	141	50.75	671	9.65
47	187	156.97	820	143.14	126	119.55	946	87.81	156	50.09	674	8.95
48	232	156.83	862	142.82	161	119.08	971	87.22	170	49.42	676	8.25
49	278	156.68	904	142.50	196	118.61	8.997	86.63	184	48.75	678	7.55
50	2.323	156.53	4.945	142.18	7.230	118.14	9.022	86.04	10.198	48.08	10.680	6.85
51	369	156.38	4.986	141.85	264	117.66	047	85.45	212	47.42	682	6.15
52	414	156.22	5.027	141.52	298	117.18	071	84.86	226	46.75	684	5.45
53	460	156.06	069	141.19	332	116.70	096	84.26	240	46.08	686	4.75
54	505	155.89	110	140.86	366	116.22	120	83.67	253	45.41	687	4.05
55	550	155.73	150	140.52	400	115.74	145	83.07	266	44.74	688	3.36
56	596	155.56	191	140.18	433	115.26	169	82.47	279	44.07	689	2.66
57	641	155.39	232	139.84	467	114.77	193	81.87	292	43.40	690	1.96
58	686	155.22	273	139.50	500	114.28	216	81.26	304	42.72	690	1.26
59	731	155.04	313	139.16	533	113.79	240	80.66	317	42.05	691	0.56
60	2.776	154.86	5.354	138.81	7.566	113.29	9.263	80.06	10.329	41.37	10.691	

α	6h, 18h		7h, 19h		8h, 20h		9h, 21h		10h, 22h		11h, 23h	
m	+A₁−	−D+	+A₁−	−D+	+A₁−	−D+	+A₁−	−D+	+A₁−	−D+	+A₁−	−D+
	s	"	s	"	s	"	s	"	s	"	s	"
0	10.691	0.14	10.324	41.64	9.254	80.31	7.553	113.49	5.337	138.95	2.758	154.93
1	691	0.84	312	42.31	231	80.91	520	113.98	297	139.30	713	155.11
2	690	1.54	299	42.99	207	81.51	486	114.47	256	139.64	668	155.29
3	690	2.24	287	43.66	183	82.11	453	114.96	216	139.98	623	155.46
4	689	2.94	274	44.34	159	82.71	419	115.45	175	140.32	577	155.63
5	688	3.64	261	45.01	134	83.31	386	115.93	134	140.66	532	155.79
6	687	4.34	248	45.68	110	83.91	352	116.42	093	141.00	486	155.96
7	686	5.04	235	46.35	086	84.51	318	116.90	052	141.33	441	156.12
8	684	5.74	221	47.01	061	85.10	284	117.38	5.011	141.66	396	156.28
9	682	6.44	207	47.68	036	85.69	250	117.85	4.970	141.99	351	156.43
10	10.680	7.14	10.193	48.35	9.011	86.28	7.215	118.32	4.928	142.31	2.305	156.58
11	678	7.84	179	49.02	8.986	86.87	181	118.80	887	142.63	259	156.74
12	676	8.53	165	49.68	961	87.46	146	119.28	845	142.95	213	156.89
13	673	9.23	150	50.34	936	88.05	112	119.74	804	143.26	168	157.03
14	670	9.93	135	51.01	910	88.64	077	120.20	762	143.57	122	157.16
15	667	10.62	120	51.68	884	89.22	041	120.66	720	143.88	076	157.30
16	664	11.32	105	52.34	858	89.80	7.006	121.12	678	144.19	2.030	157.44
17	661	12.02	090	53.00	832	90.37	6.971	121.58	636	144.50	1.985	157.57
18	657	12.72	074	53.66	805	90.95	936	122.03	594	144.80	939	157.70
19	653	13.41	059	54.32	779	91.53	900	122.49	552	145.10	893	157.83
20	10.649	14.11	10.043	54.98	8.752	92.10	6.864	122.94	4.509	145.40	1.847	157.95
21	645	14.81	027	55.63	725	92.67	828	123.39	467	145.69	801	158.06
22	641	15.51	10.010	56.29	698	93.24	793	123.83	425	145.98	755	158.18
23	636	16.20	9.994	56.95	671	93.81	757	124.27	383	146.27	709	158.30
24	631	16.90	977	57.60	643	94.37	720	124.71	340	146.55	663	158.41
25	626	17.60	960	58.25	616	94.94	684	125.15	297	146.84	617	158.52
26	621	18.30	943	58.90	588	95.50	648	125.59	254	147.12	571	158.62
27	616	18.99	926	59.55	560	96.06	611	126.02	211	147.40	525	158.72
28	610	19.68	909	60.20	532	96.62	574	126.45	168	147.67	478	158.82
29	604	20.38	891	60.85	504	97.18	537	126.88	125	147.94	432	158.91
30	10.598	21.07	9.873	61.50	8.476	97.74	6.500	127.31	4.082	148.21	1.386	159.01
31	592	21.76	855	62.14	447	98.29	463	127.74	4.039	148.48	340	159.10
32	585	22.46	837	62.79	418	98.85	426	128.16	3.996	148.74	293	159.18
33	579	23.15	819	63.43	390	99.40	389	128.58	953	149.00	247	159.26
34	572	23.85	800	64.07	361	99.95	351	128.99	909	149.25	201	159.34
35	565	24.54	782	64.71	332	100.49	314	129.40	866	149.51	154	159.42
36	558	25.23	763	65.35	302	101.03	276	129.81	822	149.76	108	159.49
37	551	25.92	744	65.99	273	101.58	238	130.22	779	150.01	062	159.57
38	543	26.61	724	66.63	243	102.12	200	130.63	735	150.26	1.015	159.64
39	535	27.30	705	67.26	213	102.66	162	131.04	691	150.50	0.969	159.70
40	10.527	27.98	9.685	67.90	8.183	103.20	6.124	131.44	3.647	150.74	0.922	159.76
41	519	28.67	665	68.53	153	103.73	086	131.84	603	150.98	876	159.82
42	510	29.35	645	69.16	123	104.25	047	132.24	560	151.21	829	159.88
43	501	30.04	625	69.79	093	104.78	6.009	132.63	516	151.44	783	159.93
44	492	30.73	605	70.42	062	105.31	5.970	133.02	471	151.67	736	159.98
45	483	31.42	584	71.05	031	105.84	932	133.41	427	151.90	689	160.03
46	474	32.11	563	71.68	8.000	106.36	893	133.80	383	152.12	643	160.07
47	465	32.79	542	72.30	7.969	106.89	854	134.19	339	152.34	597	160.11
48	455	33.48	521	73.93	938	107.41	815	134.57	295	152.55	550	160.15
49	445	34.17	500	73.55	907	107.93	776	134.95	251	152.77	504	160.18
50	10.435	34.85	9.478	74.17	7.876	108.45	5.736	135.33	3.206	152.99	0.457	160.21
51	425	35.53	456	74.79	844	108.96	697	135.70	162	153.20	411	160.24
52	415	36.21	435	75.41	812	109.47	657	136.07	117	153.40	364	160.27
53	404	36.89	413	76.03	780	109.98	618	136.44	072	153.60	317	160.29
54	393	37.57	391	76.65	748	110.49	578	136.80	3.027	153.80	270	160.31
55	382	38.25	369	77.26	716	111.00	538	137.16	2.983	154.00	223	160.33
56	371	38.93	346	77.87	684	111.50	498	137.52	938	154.19	177	160.34
57	360	39.61	323	78.48	652	112.00	458	137.88	893	154.38	130	160.35
58	348	40.29	300	79.09	619	112.50	418	138.24	848	154.57	084	160.35
59	336	40.96	277	79.70	586	113.00	378	138.60	803	154.75	0.037	160.36
60	10.324	41.64	9.254	80.31	7.553	113.49	5.337	138.95	2.758	154.93		160.36

Übertragung von Sternörtern vom mittleren Äquinoktium 1917.0 auf das Normaläquinoktium 1925.0 (Fortsetzung)

α	A	A_2	D_1	α	α	A	A_2	D_1	α
h m	s	s	"	h m	h m	s	s	"	h m
0 0	+24.582	+0.0000	−0.000	12 0	6 0	+24.582	−0.0000	−0.062	18 0
10	582	04	000	10	10	582	04	062	10
20	582	07	000	20	20	581	07	062	20
30	582	11	001	30	30	581	11	061	30
40	582	14	002	40	40	581	14	060	40
50	583	17	003	50	50	581	17	059	50
1 0	+24.583	+0.0020	−0.004	13 0	7 0	+24.581	−0.0020	−0.058	19 0
10	583	23	005	10	10	581	23	057	10
20	583	26	007	20	20	580	26	055	20
30	583	29	009	30	30	580	29	053	30
40	583	31	011	40	40	580	31	051	40
50	583	33	013	50	50	580	33	049	50
2 0	+24.584	+0.0035	−0.016	14 0	8 0	+24.580	−0.0035	−0.047	20 0
10	584	37	018	10	10	580	37	044	10
20	584	38	021	20	20	580	38	042	20
30	584	38	024	30	30	580	38	040	30
40	584	39	026	40	40	580	39	037	40
50	584	40	028	50	50	580	40	034	50
3 0	+24.584	+0.0040	−0.031	15 0	9 0	+24.580	−0.0040	−0.031	21 0
10	584	40	034	10	10	580	40	028	10
20	584	39	037	20	20	580	39	026	20
30	584	38	040	30	30	580	38	024	30
40	584	38	042	40	40	580	38	021	40
50	584	37	044	50	50	580	37	018	50
4 0	+24.584	+0.0035	−0.047	16 0	10 0	+24.580	−0.0035	−0.016	22 0
10	583	33	049	10	10	580	33	013	10
20	583	31	051	20	20	580	31	011	20
30	583	29	053	30	30	580	29	009	30
40	583	26	055	40	40	580	26	007	40
50	583	23	057	50	50	581	23	005	50
5 0	+24.583	+0.0020	−0.058	17 0	11 0	+24.581	−0.0020	−0.004	23 0
10	583	17	059	10	10	581	17	003	10
20	582	14	060	20	20	581	14	002	20
30	582	11	061	30	30	581	11	001	30
40	582	07	062	40	40	581	07	000	40
50	582	04	062	50	50	582	04	000	50
6 0	+24.582	+0.0000	−0.062	18 0	12 0	+24.582	−0.0000	−0.000	24 0

$$\alpha_{1925} = \alpha_{1917} + A + A_1 \operatorname{tg} \delta_{1917} + A_2 \operatorname{tg}^2 \delta_{1917}$$
$$\delta_{1925} = \delta_{1917} + D + D_1 \operatorname{tg} \delta_{1917}$$

A_1 und D sind in der Tafel (S. 260*/261*) mit dem Argument α_{1917} zu entnehmen; für die Werte von α zwischen 0^h und 12^h gelten die Vorzeichen zur Linken, für die Werte von α zwischen 12^h und 24^h die Vorzeichen zur Rechten.

Finsternisse, Trabanten

Konstellationen, Hülfstafeln

1917

Im Jahre 1917 finden vier Sonnen- und drei Mondfinsternisse statt.

I. Totale Mondfinsternis 1917 Januar 7

Opposition in Rektaszension Jan. 7, $19^h 37^m 51^s.9$ Mittl. Zt. Greenwich

Rektaszension des Mondes		$7^h 15^m 47^s.52$
Stündliche Änderung		2 6.02
Rektaszension der Sonne		19 15 47.52
Stündliche Änderung		10.92
Deklination des Mondes	+	$22° 31' 53''.8$
Stündliche Änderung	—	6 34.0
Deklination der Sonne	—	22 18 27.7
Stündliche Änderung	+	19.7
Äquatorialhorizontalparallaxe des Mondes		54 9.8
» der Sonne		8.9
Halbmesser des Mondes		14 44.8
» der Sonne		16 15.9

Anfang der Finsternis überhaupt	Jan. 7, $17^h 50^m.4$	Mittl. Zt. Greenwich
Anfang der totalen Finsternis	19 0.4	» » »
Mitte der Finsternis	19 44.6	» » »
Ende der totalen Finsternis	20 28.8	» » »
Ende der Finsternis überhaupt	21 38.6	» » »

Der Mond steht um diese Zeiten im Zenit der Orte, deren geographische Lage bezüglich ist:

$86° 52'$	westliche Länge von Greenwich,	$22° 45'$	nördliche Breite
103 45	» » » »	22 36	» »
114 26	» » » »	22 31	» »
125 7	» » » »	22 26	» »
142 0	» » » »	22 18	» »

Positionswinkel des Eintritts vom Nordpunkt gezählt = 117°
» » Austritts » » » = 269
Größe der Verfinsterung in Teilen des Monddurchmessers = 1.369

Der Anfang der Finsternis ist sichtbar in Mittel- und Westeuropa, Nordwestafrika, Nord- und Südamerika, in den mittleren und östlichen Gegenden des Stillen Ozeans; das Ende der Finsternis ist sichtbar in Nordamerika, dem Nordwesten von Südamerika, Norden und Nordosten von Asien, sowie im östlichen Australien.

II. Partielle Sonnenfinsternis 1917 Januar 22

Konjunktion in Rektaszension Jan. 22, $20^h 8^m 29^s.8$ Mittl. Zt. Greenwich

Rektaszension des Mondes	$20^h 20^m 15^s.52$
Stündliche Änderung	2 32.97
Rektaszension der Sonne	20 20 15.52
Stündliche Änderung	10.51
Deklination des Mondes	$-18° 18' 23''.6$
Stündliche Änderung	+ 12 3.2
Deklination der Sonne	−19 32 52.6
Stündliche Änderung	+ 34.9
Äquatorialhorizontalparallaxe des Mondes . .	61 26.7
» der Sonne . . .	8.9
Halbmesser des Mondes	16 43.7
» der Sonne	16 14.8

	Mittl. Zeit Greenwich	Länge von Greenwich	Geographische Breite
Beginn der Finsternis	$17^h 43^m.4$	$18° 2'.1$ östl.	$+28° 1'.6$
Größte Verfinsterung	19 28.3	25 42.7 östl.	+63 15.2
Ende der Finsternis	21 13.0	95 56.2 östl.	+60 28.0

Die größte Verfinsterung beträgt in Teilen des Sonnendurchmessers 0.725.

Die Finsternis wird sichtbar sein in Europa mit Ausnahme von Großbritannien, Portugal und des westlichen Teiles von Spanien, in Nordafrika, Vorderasien, Arabien, dem nördlichen Teil von Vorderindien, Turkestan und Westsibirien.

Betrag der größten Phase an verschiedenen Punkten Mitteleuropas

φ	Östliche Länge von Greenwich						
	25^m	35^m	45^m	55^m	65^m	75^m	85^m
45°	0.55	0.56	0.58	0.59	0.60	0.61	0.62
46	0.56	0.58	0.59	0.60	0.61	0.62	0.63
47	0.58	0.59	0.60	0.61	0.62	0.63	0.64
48	0.59	0.60	0.61	0.62	0.63	0.64	0.65
49	0.60	0.61	0.62	0.63	0.64	0.65	0.66
50	0.61	0.62	0.63	0.64	0.65	0.66	0.67
51	0.62	0.63	0.64	0.65	0.66	0.67	0.67
52	0.63	0.64	0.65	0.66	0.67	0.67	0.68
53	0.64	0.65	0.66	0.67	0.68	0.68	0.69
54	0.65	0.66	0.67	0.68	0.68	0.69	0.69
55	0.66	0.67	0.68	0.68	0.69	0.70	0.70

Partielle Sonnenfinsternis 1917 Januar 22

Mittlere Zeit Greenwich und Positionswinkel für das Ende der Finsternis

φ		Östliche Länge von Greenwich 25m	35m	45m	55m	65m	75m	85m
45°	T	19h 44m.7	19h 47m.1	19h 49m.7	19h 52m.5	19h 55m.4	19h 58m.4	20h 1m.6
	P	47°.8	48°.2	48°.6	48°.8	49°.0	49°.0	48°.9
	Q	86.1	85.2	84.2	83.0	81.6	79.9	77.9
46°	T	19 46.7	19 49.1	19 51.7	19 54.4	19 57.3	20 0.3	20 3.3
	P	48.5	49.0	49.3	49.5	49.6	49.6	49.5
	Q	85.8	84.9	83.9	82.7	81.3	79.6	77.6
47°	T	19 48.6	19 51.0	19 53.6	19 56.3	19 59.1	20 2.0	20 5.0
	P	49.1	49.6	49.9	50.1	50.2	50.2	50.1
	Q	85.4	84.5	83.5	82.3	80.9	79.2	77.3
48°	T	19 50.5	19 52.9	19 55.5	19 58.2	20 0.9	20 3.7	20 6.7
	P	49.8	50.2	50.5	50.6	50.7	50.7	50.6
	Q	85.1	84.2	83.1	81.9	80.5	78.9	77.0
49°	T	19 52.4	19 54.8	19 57.3	19 59.9	20 2.6	20 5.4	20 8.3
	P	50.4	50.8	51.0	51.1	51.2	51.2	51.1
	Q	84.7	83.8	82.7	81.5	80.1	78.5	76.6
50°	T	19 54.4	19 56.7	19 59.1	20 1.6	20 4.3	20 7.1	20 9.9
	P	50.9	51.3	51.5	51.6	51.7	51.6	51.5
	Q	84.3	83.4	82.3	81.1	79.7	78.1	76.2
51°	T	19 56.3	19 58.6	20 0.9	20 3.3	20 5.9	20 8.6	20 11.4
	P	51.4	51.8	52.0	52.1	52.1	52.0	51.9
	Q	83.8	82.9	81.8	80.6	79.2	77.6	75.8
52°	T	19 58.2	20 0.4	20 2.6	20 5.0	20 7.6	20 10.3	20 13.0
	P	51.9	52.2	52.4	52.5	52.5	52.4	52.3
	Q	83.3	82.4	81.3	80.1	78.8	77.2	75.4
53°	T	20 0.0	20 2.1	20 4.3	20 6.7	20 9.2	20 11.8	20 14.5
	P	52.3	52.6	52.8	52.9	52.9	52.8	52.6
	Q	82.7	81.8	80.8	79.6	78.3	76.7	74.9
54°	T	20 1.8	20 3.8	20 6.0	20 8.3	20 10.8	20 13.4	20 16.0
	P	52.7	53.0	53.2	53.2	53.2	53.1	53.0
	Q	82.2	81.3	80.3	79.1	77.8	76.2	74.4
55°	T	20 3.5	20 5.5	20 7.7	20 10.0	20 12.4	20 14.9	20 17.4
	P	53.1	53.4	53.5	53.5	53.5	53.4	53.3
	Q	81.6	80.7	79.7	78.5	77.2	75.6	73.9

P } Winkelabstand vom Punkt größter { Deklination
Q }   { Höhe

In Mitteleuropa ist nur das Ende der Finsternis zu beobachten, da die Sonne hier schon verfinstert aufgeht.

Elemente der partiellen Sonnenfinsternis 1917 Januar 22

Mittl. Zeit Greenwich	x	y	log sin d	log cos d	μ	$l^{(a)}$
17^h 40^m	−1.36545	+0.75269	9.52508_n	9.97415	262° 1.8′	+0.53795
50	1.27350	0.78380	9.52505_n	9.97416	264 31.8	0.53796
18 0	−1.18155	+0.81491	9.52501_n	9.97416	267 1.8	+0.53796
10	1.08960	0.84603	9.52498_n	9.97416	269 31.7	0.53796
20	0.99765	0.87715	9.52495_n	9.97417	272 1.7	0.53797
30	0.90570	0.90828	9.52491_n	9.97417	274 31.7	0.53797
40	0.81375	0.93941	9.52488_n	9.97417	277 1.7	0.53797
50	0.72179	0.97055	9.52485_n	9.97418	279 31.7	0.53797
19 0	−0.62983	+1.00169	9.52481_n	9.97418	282 1.7	+0.53797
10	0.53788	1.03284	9.52478_n	9.97418	284 31.7	0.53797
20	0.44593	1.06399	9.52475_n	9.97419	287 1.7	0.53797
30	0.35398	1.09515	9.52471_n	9.97419	289 31.6	0.53797
40	0.26203	1.12631	9.52468_n	9.97420	292 1.6	0.53796
50	0.17008	1.15747	9.52465_n	9.97420	294 31.6	0.53796
20 0	−0.07813	+1.18864	9.52461_n	9.97421	297 1.6	+0.53796
10	+0.01382	1.21981	9.52458_n	9.97421	299 31.6	0.53795
20	0.10576	1.25099	9.52455_n	9.97422	302 1.6	0.53795
30	0.19770	1.28217	9.52452_n	9.97422	304 31.5	0.53794
40	0.28964	1.31336	9.52448_n	9.97422	307 1.5	0.53794
50	0.38158	1.34455	9.52445_n	9.97423	309 31.5	0.53793
21 0	+0.47351	+1.37574	9.52442_n	9.97423	312 1.5	+0.53792
10	0.56544	1.40694	9.52439_n	9.97423	314 31.5	0.53791
21 20	+0.65737	+1.43814	9.52435_n	9.97424	317 1.5	+0.53790

Mittl. Zeit Greenwich	x'	y'	log tang $f^{(a)}$
17^h	+0.009194	+0.003108	7.67665
18	0.009195	0.003112	7.67665
19	0.009195	0.003115	7.67665
20	0.009194	0.003117	7.67665
21	0.009193	0.003119	7.67664
22	+0.009191	+0.003121	7.67664

III. Partielle Sonnenfinsternis 1917 Juni 18—19

Konjunktion in Rektaszension Juni 19, $1^h\,4^m\,37^s.1$ Mittl. Zt. Greenwich

Rektaszension des Mondes	$5^h\,49^m\,44^s.49$
Stündliche Änderung	2 17.78
Rektaszension der Sonne	5 49 44.49
Stündliche Änderung	10.40
Deklination des Mondes	$+24^\circ\,37'\,15''.9$
Stündliche Änderung	— 2 15.1
Deklination der Sonne	+23 25 46.2
Stündliche Änderung	+ 2.5
Äquatorialhorizontalparallaxe des Mondes . .	55 34.9
» der Sonne . . .	8.7
Halbmesser des Mondes	15 8.0
» der Sonne	15 44.3

	Mittl. Zeit Greenwich		Länge von Greenwich	Geographische Breite
Beginn der Finsternis . .	Juni 18	$23^h\,36^m.0$	$118^\circ\,43'.2$ westl.	$+52^\circ\,54'.9$
Größte Verfinsterung . .	19	1 16.2	150 6.0 östl.	+66 10.5
Ende der Finsternis . . .	19	2 56.5	72 35.0 östl.	+45 48.3

Die größte Verfinsterung beträgt in Teilen des Sonnendurchmessers 0.473.

Die Verfinsterung wird im westlichen Teile von Britisch-Nordamerika, in Alaska, in Sibirien, Turkestan, dem nordöstlichen Teile von Rußland, in Nordskandinavien und dem nördlichen Eismeer, sowie dem nördlichen Teile von Grönland sichtbar sein.

Elemente der partiellen Sonnenfinsternis 1917 Juni 18—19

Mittl. Zeit Greenwich	x	y	log sin d	log cos d	μ	$l^{(a)}$
18. 23ʰ 30ᵐ	−0.82352	+1.35362	9.59939	9.96264	352° 15.0	+0.55664
40	0.73648	1.34690	9.59939	9.96264	354 45.0	0.55666
50	0.64944	1.34017	9.59940	9.96264	357 15.0	0.55668
19. 0 0	−0.56240	+1.33343	9.59940	9.96264	359 45.0	+0.55670
10	0.47536	1.32668	9.59940	9.96264	2 15.0	0.55672
20	0.38832	1.31992	9.59940	9.96264	4 45.0	0.55674
30	0.30128	1.31315	9.59941	9.96264	7 14.9	0.55676
40	0.21424	1.30636	9.59941	9.96264	9 44.9	0.55678
50	0.12721	1.29956	9.59941	9.96264	12 14.9	0.55680
1 0	−0.04018	+1.29275	9.59941	9.96264	14 44.9	+0.55682
10	+0.04685	1.28593	9.59942	9.96264	17 14.9	0.55684
20	0.13388	1.27910	9.59942	9.96264	19 44.9	0.55686
30	0.22091	1.27226	9.59942	9.96264	22 14.9	0.55688
40	0.30794	1.26541	9.59942	9.96264	24 44.9	0.55690
50	0.39497	1.25854	9.59942	9.96264	27 14.9	0.55692
2 0	+0.48199	+1.25166	9.59943	9.96264	29 44.9	+0.55693
10	0.56901	1.24477	9.59943	9.96264	32 14.9	0.55694
20	0.65603	1.23787	9.59943	9.96264	34 44.8	0.55695
30	0.74304	1.23096	9.59943	9.96264	37 14.8	0.55696
40	0.83005	1.22403	9.59944	9.96264	39 44.8	0.55697
50	0.91706	1.21709	9.59944	9.96264	42 14.8	0.55698
3 0	+1.00406	+1.21014	9.59944	9.96264	44 44.8	+0.55699

Mittl. Zeit Greenwich	x'	y'	log tang $f^{(a)}$
18. 23ʰ	+0.008704	−0.000668	7.66289
19. 0	0.008704	0.000675	7.66289
1	0.008703	0.000682	7.66289
2	0.008702	0.000688	7.66289
3	+0.008700	−0.000695	7.66289

IV. Totale Mondfinsternis 1917 Juli 4

Opposition in Rektaszension Juli 4, $9^h 41^m 46\overset{s}{.}3$ Mittl. Zt. Greenwich

Rektaszension des Mondes	$18^h 53^m 27\overset{s}{.}05$
Stündliche Änderung	2 37.11
Rektaszension der Sonne	6 53 27.05
Stündliche Änderung	10.30
Deklination des Mondes	$-22° 44' 11''.1$
Stündliche Änderung	+ 6 45.3
Deklination der Sonne	+ 22 52 53.9
Stündliche Änderung	− 13.1
Äquatorialhorizontalparallaxe des Mondes . . .	60 17.1
» der Sonne . . .	8.7
Halbmesser des Mondes	16 24.8
» der Sonne	15 43.9

Anfang der Finsternis überhaupt Juli 4,	$7^h 52\overset{m}{.}2$	Mittl. Zt. Greenwich
Anfang der totalen Finsternis .	8 50.6	» » »
Mitte der Finsternis	9 38.9	» » »
Ende der totalen Finsternis . .	10 27.2	» » »
Ende der Finsternis überhaupt .	11 25.4	» » »

Der Mond steht um diese Zeiten im Zenit der Orte, deren geographische Lage bezüglich ist:

61° 52'	östliche Länge von Greenwich,	22° 56'	südliche Breite
47 53	» » » »	22 50	» »
36 17	» » » »	22 45	» »
24 41	» » » »	22 39	» »
10 42	» » » »	22 32	» »

Positionswinkel des Eintritts vom Nordpunkt gezählt = 87°
» » Austritts » » » = 251
Größe der Verfinsterung in Teilen des Monddurchmessers = 1.625

Der Anfang der Finsternis ist sichtbar in Asien, ausgenommen den nordöstlichen Teil, in Australien, Afrika, in Europa ohne den nordwestlichen Teil, und im südlichen Teil des Atlantischen Ozeans. Das Ende ist sichtbar in Westaustralien, dem Südwesten von Asien, Europa, Afrika und Südamerika.

V. Partielle Sonnenfinsternis 1917 Juli 18

Konjunktion in Rektaszension Juli 18, $15^h 34^m 16^s.6$ Mittl. Zt. Greenwich

Rektaszension des Mondes	$7^h 51^m 28^s.79$
Stündliche Änderung	2 3.17
Rektaszension der Sonne	7 51 28.79
Stündliche Änderung	10.05
Deklination des Mondes	$+19° 33' 20''.4$
Stündliche Änderung	— 8 12.7
Deklination der Sonne	+20 58 48.8
Stündliche Änderung	— 26.6
Äquatorialhorizontalparallaxe des Mondes . .	54 28.4
» der Sonne . . .	8.7
Halbmesser des Mondes	14 49.9
» der Sonne	15 44.3

	Mittl. Zeit Greenwich	Länge von Greenwich	Geographische Breite
Beginn der Finsternis	$13^h 56^m.5$	$93° 30'.7$ östl.	$-53° 24'.3$
Größte Verfinsterung	14 42.5	101 52.2 östl.	−63 43.5
Ende der Finsternis	15 28.3	124 27.5 östl.	−68 56.6

Die größte Verfinsterung beträgt in Teilen des Sonnendurchmessers 0.086.

Elemente der Finsternis

Mittl. Zeit Greenwich	x	y	log sin d	log cos d	μ	$l^{(a)}$
$13^h 50^m$	−0.85268	−1.32441	9.55425	9.97016	$205° 59'.5$	+0.56250
14 0	−0.77090	−1.34825	9.55423	9.97017	208 29.5	+0.56251
10	0.68912	1.37210	9.55420	9.97017	210 59.6	0.56253
20	0.60734	1.39595	9.55418	9.97017	213 29.6	0.56254
30	0.52557	1.41980	9.55416	9.97018	215 59.6	0.56255
40	0.44380	1.44366	9.55414	9.97018	218 29.6	0.56256
50	0.36203	1.46752	9.55412	9.97018	220 59.6	0.56257
15 0	−0.28026	−1.49138	9.55409	9.97019	223 29.6	+0.56258
10	0.19849	1.51525	9.55407	9.97019	225 59.6	0.56259
20	0.11673	1.53912	9.55405	9.97019	228 29.6	0.56260
15 30	−0.03497	−1.56299	9.55402	9.97020	230 59.6	+0.56261

Mittl. Zeit Greenwich	x'	y'	log tang $f^{(a)}$
13^h	+0.008178	−0.002382	7.66292
14	0.008178	0.002384	7.66292
15	0.008177	0.002387	7.66292
16	+0.008175	−0.002389	7.66292

Die Finsternis ist sichtbar im südlichen Eismeer, südlich von Australien und dem Indischen Ozean.

VI. Ringförmige Sonnenfinsternis 1917 Dezember 13

Konjunktion in Rektaszension Dez. 13, 21h 23m 24s.0 Mittl. Zt. Greenwich

Rektaszension des Mondes	17h 24m 27s.34
Stündliche Änderung	2 29.88
Rektaszension der Sonne	17 24 27.34
Stündliche Änderung	11.05
Deklination des Mondes	−24° 4′ 57″.9
Stündliche Änderung	+ 1 0.1
Deklination der Sonne	−23 11 54.5
Stündliche Änderung	− 9.4
Äquatorialhorizontalparallaxe des Mondes	58 2.5
» der Sonne	8.9
Halbmesser des Mondes	15 48.2
» der Sonne	16 15.0

	Mittl. Zeit Greenwich	Länge von Greenwich	Geographische Breite
Beginn der Finsternis überhaupt	19h 9m.6	36° 58′ westl.	−34° 20′
Beginn der ringförmigen Finsternis	20 41.6	86 48 westl.	−57 42
Beginn der zentralen Finsternis	20 43.7	88 30 westl.	−58 34
Zentrale Finsternis im wahren Mittag	21 23.4	37 47 östl.	−89 57
Ende der zentralen Finsternis	22 10.6	156 20 östl.	−55 42
Ende der ringförmigen Finsternis	22 12.7	154 53 östl.	−54 48
Ende der Finsternis überhaupt	23 44.6	108 17 östl.	−30 35

Die Finsternis ist sichtbar im südlichen Teil von Südamerika, in Westaustralien und dem südlichen Teil des Atlantischen und Indischen Ozeans.

Elemente der ringförmigen Sonnenfinsternis 1917 Dez. 13

Mittl. Zeit Greenwich	x	y	log sin d	log cos d	μ	$l^{(a)}$	$l^{(i)}$
19h 0m	−1.30791	−0.96400	9.59525_n	9.96341	286° 22.3'	+0.55386	+0.00791
10	1.21672	0.96076	9.59526_n	9.96341	288 52.3	0.55385	0.00790
20	1.12553	0.95751	9.59527_n	9.96341	291 22.2	0.55384	0.00789
30	1.03433	0.95425	9.59528_n	9.96341	293 52.2	0.55383	0.00787
40	0.94313	0.95098	9.59528_n	9.96341	296 22.2	0.55382	0.00786
50	0.85193	0.94770	9.59529_n	9.96341	298 52.1	0.55380	0.00784
20 0	−0.76072	−0.94441	9.59530_n	9.96340	301 22.1	+0.55379	+0.00783
10	0.66951	0.94110	9.59531_n	9.96340	303 52.1	0.55377	0.00782
20	0.57830	0.93778	9.59531_n	9.96340	306 22.0	0.55376	0.00780
30	0.48709	0.93445	9.59532_n	9.96340	308 52.0	0.55374	0.00779
40	0.39588	0.93111	9.59533_n	9.96340	311 22.0	0.55373	0.00777
50	0.30466	0.92775	9.59534_n	9.96340	313 51.9	0.55371	0.00776
21 0	−0.21344	−0.92438	9.59535_n	9.96340	316 21.9	+0.55369	+0.00774
10	0.12222	0.92100	9.59535_n	9.96339	318 51.9	0.55367	0.00772
20	−0.03100	0.91761	9.59536_n	9.96339	321 21.8	0.55365	0.00770
30	+0.06022	0.91421	9.59537_n	9.96339	323 51.8	0.55363	0.00768
40	0.15144	0.91080	9.59538_n	9.96339	326 21.8	0.55361	0.00766
50	0.24266	0.90737	9.59539_n	9.96339	328 51.7	0.55359	0.00764
22 0	+0.33388	−0.90393	9.59539_n	9.96339	331 21.7	+0.55357	+0.00762
10	0.42510	0.90048	9.59540_n	9.96339	333 51.7	0.55355	0.00759
20	0.51632	0.89702	9.59541_n	9.96338	336 21.6	0.55353	0.00757
30	0.60754	0.89355	9.59542_n	9.96338	338 51.6	0.55350	0.00755
40	0.69876	0.89007	9.59542_n	9.96338	341 21.6	0.55348	0.00752
50	0.78998	0.88657	9.59543_n	9.96338	343 51.5	0.55346	0.00750
23 0	+0.88119	−0.88306	9.59544_n	9.96338	346 21.5	+0.55343	+0.00747
10	0.97240	0.87954	9.59545_n	9.96338	348 51.5	0.55340	0.00744
20	1.06361	0.87601	9.59546_n	9.96338	351 21.4	0.55337	0.00741
30	1.15482	0.87247	9.59546_n	9.96337	353 51.4	0.55335	0.00739
40	1.24603	0.86892	9.59547_n	9.96337	356 21.4	0.55332	0.00736
50	+1.33724	−0.86536	9.59548_n	9.96337	358 51.3	+0.55329	+0.00734

Mittl. Zeit Greenwich	x'	y'	log tang $f^{(a)}$	log tang $f^{(i)}$
19h	+0.009119	+0.000323	7.67678	7.67461
20	0.009121	0.000330	7.67678	7.67461
21	0.009122	0.000337	7.67678	7.67461
22	0.009122	0.000344	7.67678	7.67461
23	0.009121	0.000351	7.67678	7.67461
24	+0.009120	+0.000358	7.67678	7.67462

VII. Totale Mondfinsternis 1917 Dezember 27

Opposition in Rektaszension Dez. 27, 21ʰ 53ᵐ 49ˢ.2 Mittl. Zt. Greenwich

Rektaszension des Mondes	6ʰ 26ᵐ 39ˢ.29
Stündliche Änderung	2 18.74
Rektaszension der Sonne	18 26 39.29
Stündliche Änderung	11.08
Deklination des Mondes	+22° 52′ 58″.5
Stündliche Änderung	— 4 26.5
Deklination der Sonne	—23 18 30.5
Stündliche Änderung	+ 7.1
Äquatorialhorizontalparallaxe des Mondes . . .	56 20.1
» der Sonne . . .	8.9
Halbmesser des Mondes	15 20.3
» der Sonne	16 15.9

Anfang der Finsternis überhaupt	Dez. 27, 20ʰ 4ᵐ.8	Mittl. Zt. Greenwich
Beginn der totalen Finsternis .	21 38.0	» » »
Mitte der Finsternis	21 46.3	» » »
Ende der totalen Finsternis . .	21 54.6	» » »
Ende der Finsternis überhaupt .	23 28.0	» » »

Der Mond steht um diese Zeiten im Zenit der Orte, deren geographische Lage bezüglich ist:

121° 49′	westliche Länge von Greenwich,	23° 1′	nördliche Breite
144 17	» » » »	22 54	» »
146 17	» » » »	22 54	» »
148 16	» » » »	22 53	» »
170 48	» » » »	22 46	» »

Positionswinkel des Eintritts vom Nordpunkt gezählt = 72°
» » Austritts » » » = 305
Größe der Verfinsterung in Teilen des Monddurchmessers = 1.011

Der Anfang der Finsternis ist sichtbar in Nord- und Südamerika, im Großen Ozean und dem äußersten Teil des nordöstlichen Asiens. Das Ende ist sichtbar in Nordamerika, dem Großen Ozean, in Ostasien und Australien.

Verfinsterungen: E. Eintritte, A. Austritte

TRABANT I.

		h	m	s	
Jan.	1	23	53	27	A.
	3	18	22	27	A.
	5	12	51	20	A.
	7	7	20	18	A.
	9	1	49	13	A.
	10	20	18	12	A.
	12	14	47	5	A.
	14	9	16	3	A.
	16	3	44	57	A.
	17	22	13	56	A.
	19	16	42	49	A.
	21	11	11	46	A.
	23	5	40	39	A.
	25	0	9	37	A.
	26	18	38	30	A.
	28	13	7	26	A.
	30	7	36	19	A.
Febr.	1	2	5	16	A.
	2	20	34	8	A.
	4	15	3	3	A.
	6	9	31	55	A.
	8	4	0	51	A.
	9	22	29	43	A.
	11	16	58	36	A.
	13	11	27	27	A.
	15	5	56	22	A.
	17	0	25	13	A.
	18	18	54	5	A.
	20	13	22	55	A.
	22	7	51	49	A.
	24	2	20	38	A.
	25	20	49	30	A.
	27	15	18	19	A.
März	1	9	47	11	A.
	3	4	15	59	A.
	4	22	44	49	A.
	6	17	13	37	A.
	8	11	42	28	A.
	10	6	11	15	A.
	12	0	40	3	A.
	13	19	8	50	A.
	15	13	37	39	A.
	17	8	6	26	A.
	19	2	35	12	A.
	20	21	3	58	A.
	22	15	32	45	A.

TRABANT I.

		h	m	s	
März	24	10	1	31	A.
	26	4	30	16	A.
	27	22	59	0	A.
	29	17	27	46	A.
	31	11	56	30	A.
April	2	6	25	14	A.
	4	0	53	56	A.
	5	19	22	41	A.
Juni	15	12	17	34	E.
	17	6	46	5	E.
	19	1	14	35	E.
	20	19	43	5	E.
	22	14	11	34	E.
	24	8	40	5	E.
	26	3	8	34	E.
	27	21	37	3	E.
	29	16	5	31	E.
Juli	1	10	34	1	E.
	3	5	2	29	E.
	4	23	30	57	E.
	6	17	59	25	E.
	8	12	27	55	E.
	10	6	56	22	E.
	12	1	24	50	E.
	13	19	53	16	E.
	15	14	21	46	E.
	17	8	50	12	E.
	19	3	18	39	E.
	20	21	47	5	E.
	22	16	15	34	E.
	24	10	44	0	E.
	26	5	12	28	E.
	27	23	40	53	E.
	29	18	9	21	E.
	31	12	37	47	E.
Aug.	2	7	6	14	E.
	4	1	34	39	E.
	5	20	3	8	E.
	7	14	31	33	E.
	9	9	0	0	E.
	11	3	28	24	E.
	12	21	56	53	E.
	14	16	25	18	E.
	16	10	53	45	E.
	18	5	22	9	E.

TRABANT I.

		h	m	s	
Aug.	19	23	50	39	E.
	21	18	19	4	E.
	23	12	47	31	E.
	25	7	15	55	E.
	27	1	44	25	E.
	28	20	12	50	E.
	30	14	41	18	E.
Sept.	1	9	9	42	E.
	3	3	38	12	E.
	4	22	6	37	E.
	6	16	35	6	E.
	8	11	3	30	E.
	10	5	32	1	E.
	12	0	0	27	E.
	13	18	28	56	E.
	15	12	57	20	E.
	17	7	25	52	E.
	19	1	54	19	E.
	20	20	22	49	E.
	22	14	51	14	E.
	24	9	19	47	E.
	26	3	48	14	E.
	27	22	16	46	E.
	29	16	45	11	E.
Okt.	1	11	13	45	E.
	3	5	42	13	E.
	5	0	10	46	E.
	6	18	39	13	E.
	8	13	7	48	E.
	10	7	36	17	E.
	12	2	4	52	E.
	13	20	33	20	E.
	15	15	1	56	E.
	17	9	30	27	E.
	19	3	59	3	E.
	20	22	27	32	E.
	22	16	56	10	E.
	24	11	24	43	E.
	26	5	53	20	E.
	28	0	21	51	E.
	29	18	50	31	E.
	31	13	19	5	E.
Nov.	2	7	47	45	E.
	4	2	16	18	E.
	5	20	44	59	E.
	7	15	13	35	E.

TRABANT I.

		h	m	s	
Nov.	9	9	42	17	E.
	11	4	10	52	E.
	12	22	39	35	E.
	14	17	8	13	E.
	16	11	36	57	E.
	18	6	5	34	E.
	20	0	34	19	E.
	21	19	2	59	E.
	23	13	31	45	E.
	25	8	0	24	E.
	27	2	29	12	E.
	28	20	57	53	E.
Nov.	28	23	9	18	A.
	30	17	38	8	A.
Dez.	2	12	6	50	A.
	4	6	35	41	A.
	6	1	4	25	A.
	7	19	33	16	A.
	9	14	2	1	A.
	11	8	30	53	A.
	13	2	59	40	A.
	14	21	28	33	A.
	16	15	57	19	A.
	18	10	26	13	A.
	20	4	55	1	A.
	21	23	23	57	A.
	23	17	52	44	A.
	25	12	21	40	A.
	27	6	50	29	A.
	29	1	19	26	A.
	30	19	48	16	A.
	32	14	17	13	A.

TRABANT II.

		h	m	s	
Jan.	1	8	33	57	E.
	1	11	6	46	A.
	4	21	52	35	E.
	5	0	25	23	A.
	8	11	11	9	E.
	8	13	43	53	A.
	12	0	29	53	E.
	12	3	2	37	A.
	15	13	48	31	E.
	15	16	21	12	A.

Verfinsterungen: E. Eintritte, A. Austritte

TRABANT II.

	h	m	s	
Jan. 19	3	7	23	E.
19	5	40	3	A.
22	16	26	2	E.
22	18	58	39	A.
26	5	45	0	E.
26	8	17	37	A.
29	19	3	41	E.
29	21	36	16	A.
Febr. 2	8	22	46	E.
2	10	55	20	A.
6	0	14	1	A.
9	13	33	9	A.
13	2	51	51	A.
16	16	11	5	A.
20	5	29	50	A.
23	18	49	7	A.
27	8	7	52	A.
März 2	21	27	14	A.
6	10	46	0	A.
10	0	5	26	A.
13	13	24	10	A.
17	2	43	38	A.
20	16	2	23	A.
24	5	21	54	A.
27	18	40	39	A.
31	8	0	10	A.
April 3	21	18	54	A.
Juni 17	10	25	55	E.
20	23	44	8	E.
24	13	3	9	E.
28	2	21	18	E.
Juli 1	15	40	13	E.
5	4	58	20	E.
8	18	17	6	E.
12	7	35	9	E.
15	20	53	48	E.
19	10	11	47	E.
22	23	30	19	E.
26	12	48	13	E.
30	2	6	37	E.
Aug. 2	15	24	27	E.
6	4	42	45	E.
6	7	13	22	A.
9	18	0	30	E.
9	20	31	5	A.

TRABANT II.

	h	m	s	
Aug. 13	7	18	40	E.
13	9	49	10	A.
16	20	36	21	E.
16	23	6	50	A.
20	9	54	23	E.
20	12	24	48	A.
23	23	12	3	E.
24	1	42	26	A.
27	12	29	56	E.
27	15	0	16	A.
31	1	47	31	E.
31	4	17	49	A.
Sept. 3	15	5	18	E.
3	17	35	32	A.
7	4	22	51	E.
7	6	53	3	A.
10	17	40	33	E.
10	20	10	42	A.
14	6	58	0	E.
14	9	28	9	A.
17	20	15	37	E.
17	22	45	42	A.
21	9	33	2	E.
21	12	3	6	A.
24	22	50	34	E.
25	1	20	35	A.
28	12	7	58	E.
Okt. 2	1	25	23	E.
5	14	42	45	E.
9	4	0	8	E.
12	17	17	30	E.
16	6	34	49	E.
19	19	52	10	E.
23	9	9	27	E.
26	22	26	48	E.
30	11	44	6	E.
Nov. 3	1	1	26	E.
6	14	18	44	E.
10	3	36	3	E.
13	16	53	24	E.
17	6	10	46	E.
20	19	28	6	E.
24	8	45	30	E.
27	22	2	53	E.
Dez. 1	13	50	26	A.
5	3	7	54	A.

TRABANT II.

	h	m	s	
Dez. 8	16	25	25	A.
12	5	42	57	A.
15	19	0	32	A.
19	8	18	10	A.
22	21	35	48	A.
26	10	53	29	A.
30	0	11	11	A.

TRABANT III.

	h	m	s	
Jan. 5	16	33	24	E.
5	18	15	56	A.
12	20	35	44	E.
12	22	17	46	A.
20	0	38	40	E.
20	2	20	13	A.
27	4	41	3	E.
27	6	22	12	A.
Febr. 3	8	43	36	E.
3	10	24	27	A.
10	12	45	24	E.
10	14	25	58	A.
17	16	47	1	E.
17	18	27	21	A.
24	20	48	43	E.
24	22	28	49	A.
März 4	0	50	33	E.
4	2	30	28	A.
11	4	52	56	E.
11	6	32	42	A.
18	8	54	40	E.
18	10	34	23	A.
25	12	56	30	E.
25	14	36	14	A.
April 1	16	57	32	E.
1	18	37	19	A.
Juni 19	13	5	6	E.
19	14	48	15	A.
26	17	5	16	E.
26	18	48	59	A.
Juli 3	21	5	29	E.
3	22	49	51	A.
11	1	4	58	E.
11	2	50	1	A.
18	5	4	19	E.
18	6	50	4	A.

TRABANT III.

	h	m	s	
Juli 25	9	3	52	E.
25	10	50	19	A.
Aug. 1	13	3	35	E.
1	14	50	46	A.
8	17	3	54	E.
8	18	51	52	A.
15	21	3	35	E.
15	22	52	23	A.
23	1	3	20	E.
23	2	53	1	A.
30	5	2	26	E.
30	6	53	1	A.
Sept. 6	9	1	27	E.
6	10	52	58	A.
13	13	0	46	E.
13	14	53	13	A.
20	17	0	18	E.
20	18	53	43	A.
27	21	0	32	E.
27	22	54	57	A.
Okt. 5	1	0	10	E.
5	2	55	38	A.
12	4	59	57	E.
12	6	56	30	A.
19	8	59	10	E.
19	10	56	49	A.
26	12	58	26	E.
26	14	57	11	A.
Nov. 2	16	58	7	E.
2	18	58	0	A.
9	20	58	7	E.
9	22	59	7	A.
17	0	58	54	E.
17	3	1	3	A.
24	4	59	9	E.
24	7	2	30	A.
Dez. 1	8	59	34	E.
1	11	4	9	A.
8	12	59	31	E.
8	15	5	19	A.
15	16	59	33	E.
15	19	6	35	A.
22	21	0	3	E.
22	23	8	18	A.
30	1	0	48	E.
30	3	10	21	A.

Mittlere Zeit Greenwich	α	β	p_a	a	b	U'	B'	P'
Jan. −2.5	20.48	18.64	−0.01	46.11	−16.66	311.645	−21.901	−18.233
+1.5	20.53	18.68	0.01	46.23	16.79	311.798	21.860	18.290
5.5	20.57	18.72	0.00	46.33	16.91	311.952	21.820	18.347
9.5	20.61	18.75	0.00	46.40	17.03	312.105	21.780	18.403
13.5	20.63	18.78	0.00	46.44	17.14	312.259	21.739	18.460
17.5	20.63	18.79	+0.00	46.46	−17.23	312.412	−21.698	−18.516
21.5	20.63	18.78	0.00	46.44	17.30	312.566	21.657	18.572
25.5	20.61	18.77	0.00	46.39	17.35	312.719	21.616	18.628
29.5	20.57	18.74	0.01	46.32	17.40	312.872	21.575	18.684
Febr. 2.5	20.52	18.70	0.01	46.22	17.43	313.025	21.533	18.739
6.5	20.46	18.65	+0.01	46.08	−17.45	313.178	−21.492	−18.794
10.5	20.39	18.59	0.01	45.92	17.46	313.331	21.450	18.850
14.5	20.31	18.52	0.01	45.75	17.45	313.484	21.408	18.905
18.5	20.22	18.44	0.02	45.55	17.44	313.637	21.366	18.960
22.5	20.12	18.35	0.02	45.32	17.41	313.790	21.324	19.015
26.5	20.01	18.26	+0.03	45.08	−17.36	313.942	−21.281	−19.070
März 2.5	19.90	18.16	0.03	44.83	17.31	314.094	21.239	19.125
6.5	19.78	18.05	0.04	44.56	17.24	314.246	21.196	19.179
10.5	19.66	17.93	0.04	44.27	17.16	314.398	21.153	19.234
14.5	19.53	17.81	0.04	43.98	17.07	314.550	21.110	19.288
18.5	19.40	17.69	+0.05	43.68	−16.97	314.702	−21.067	−19.342
22.5	19.26	17.57	0.05	43.38	16.86	314.854	21.024	19.396
26.5	19.12	17.44	0.05	43.06	16.74	315.006	20.981	19.450
30.5	18.98	17.31	0.05	42.74	16.62	315.157	20.938	19.504
April 3.5	18.84	17.19	0.05	42.43	16.49	315.309	20.895	19.557
7.5	18.70	17.06	+0.06	42.12	−16.36	315.460	−20.851	−19.610
11.5	18.56	16.93	0.06	41.80	16.22	315.611	20.808	19.663
15.5	18.42	16.80	0.05	41.49	16.07	315.762	20.764	19.716
19.5	18.29	16.68	0.05	41.19	15.92	315.913	20.721	19.769
23.5	18.16	16.56	0.05	40.90	15.77	316.063	20.677	19.821
27.5	18.03	16.44	+0.05	40.61	−15.62	316.214	−20.633	−19.873
Mai 1.5	17.91	16.33	0.05	40.33	15.47	316.364	20.589	19.925
5.5	17.79	16.22	0.05	40.06	15.32	316.515	20.545	19.977
9.5	17.67	16.11	0.05	39.80	15.16	316.665	20.501	20.028
13.5	17.56	16.01	0.04	39.54	15.01	316.815	20.457	20.080
17.5	17.45	15.91	+0.04	39.30	−14.85	316.965	−20.412	−20.131
21.5	17.35	15.81	0.04	39.07	14.69	317.115	20.367	20.182
25.5	17.25	15.72	0.03	38.85	14.54	317.264	20.322	20.233
29.5	17.16	15.63	0.03	38.64	14.39	317.414	20.277	20.284
Juni 2.5	17.07	15.55	0.03	38.45	14.24	317.563	20.232	20.335
6.5	16.99	15.47	+0.02	38.27	−14.09	317.713	−20.187	−20.386
10.5	16.92	15.40	0.02	38.10	13.94	317.863	20.141	20.436
14.5	16.85	15.33	0.02	37.94	13.80	318.013	20.095	20.486
18.5	16.79	15.27	0.02	37.80	13.66	318.162	20.049	20.536
22.5	16.73	15.22	0.01	37.67	13.52	318.311	20.003	20.586
26.5	16.68	15.17	+0.01	37.56	−13.38	318.460	−19.957	−20.636
30.5	16.63	15.13	0.01	37.46	13.24	318.609	19.911	20.686

Saturn und Saturnsring 1917

Mittlere Zeit Greenwich	α	β	p_a	a	b	U'	B'	P'
Juni 30.5	16.63	15.13	+0.01	37.46	−13.24	318.609	−19.911	−20.686
Juli 4.5	16.59	15.09	0.01	37.37	13.11	318.758	19.864	20.736
8.5	16.56	15.06	0.00	37.30	12.98	318.907	19.818	20.786
12.5	16.53	15.03	0.00	37.24	12.86	319.056	19.771	20.835
16.5	16.52	15.01	0.00	37.19	12.74	319.205	19.725	20.884
20.5	16.50	14.99	+0.00	37.16	−12.62	319.353	−19.678	−20.933
24.5	16.50	14.98	0.00	37.14	12.51	319.501	19.631	20.982
28.5	16.49	14.97	0.00	37.14	12.40	319.649	19.584	21.030
Aug. 1.5	16.49	14.97	0.00	37.15	12.29	319.797	19.537	21.079
5.5	16.50	14.98	0.00	37.17	12.19	319.945	19.490	21.127
9.5	16.52	14.99	−0.00	37.21	−12.09	320.093	−19.443	−21.175
13.5	16.54	15.01	0.00	37.26	12.00	320.241	19.395	21.223
17.5	16.57	15.03	0.00	37.33	11.91	320.389	19.348	21.271
21.5	16.61	15.06	0.01	37.41	11.82	320.536	19.300	21.318
25.5	16.65	15.10	0.01	37.50	11.74	320.684	19.252	21.365
29.5	16.70	15.14	−0.01	37.61	−11.66	320.831	−19.204	−21.412
Sept. 2.5	16.75	15.18	0.01	37.73	11.59	320.979	19.156	21.459
6.5	16.81	15.23	0.02	37.87	11.52	321.126	19.108	21.506
10.5	16.88	15.29	0.02	38.02	11.46	321.273	19.060	21.553
14.5	16.95	15.35	0.02	38.19	11.41	321.420	19.011	21.599
18.5	17.03	15.42	−0.03	38.37	−11.36	321.567	−18.963	−21.646
22.5	17.11	15.50	0.03	38.56	11.32	321.714	18.914	21.692
26.5	17.20	15.58	0.03	38.76	11.29	321.861	18.866	21.738
30.5	17.30	15.66	0.04	38.97	11.26	322.008	18.817	21.784
Okt. 4.5	17.40	15.75	0.04	39.20	11.24	322.155	18.768	21.830
8.5	17.51	15.84	−0.04	39.44	−11.22	322.301	−18.719	−21.875
12.5	17.62	15.94	0.04	39.68	11.21	322.448	18.670	21.920
16.5	17.73	16.04	0.05	39.94	11.22	322.594	18.621	21.965
20.5	17.85	16.14	0.05	40.21	11.23	322.740	18.572	22.010
24.5	17.97	16.25	0.05	40.49	11.25	322.886	18.522	22.055
28.5	18.10	16.36	−0.05	40.77	−11.28	323.032	−18.473	−22.100
Nov. 1.5	18.23	16.48	0.05	41.06	11.31	323.178	18.424	22.144
5.5	18.36	16.60	0.05	41.36	11.36	323.324	18.375	22.189
9.5	18.50	16.72	0.05	41.67	11.41	323.469	18.325	22.233
13.5	18.63	16.84	0.05	41.97	11.47	323.614	18.276	22.277
17.5	18.77	16.97	−0.05	42.28	−11.54	323.760	−18.226	−22.321
21.5	18.91	17.09	0.05	42.59	11.62	323.905	18.176	22.365
25.5	19.05	17.22	0.05	42.91	11.70	324.050	18.126	22.408
29.5	19.19	17.34	0.05	43.21	11.80	324.195	18.076	22.451
Dez. 3.5	19.32	17.46	0.05	43.51	11.90	324.340	18.026	22.494
7.5	19.45	17.58	−0.04	43.81	−12.01	324.485	−17.976	−22.537
11.5	19.58	17.70	0.04	44.09	12.13	324.629	17.925	22.580
15.5	19.70	17.81	0.03	44.36	12.25	324.774	17.875	22.623
19.5	19.81	17.91	0.03	44.62	12.38	324.918	17.824	22.665
23.5	19.91	18.01	0.03	44.87	12.51	325.062	17.774	22.708
27.5	20.01	18.10	−0.02	45.10	−12.64	325.206	−17.723	−22.750
31.5	20.10	18.19	0.02	45.31	12.78	325.350	17.673	22.792

Mittlere Zeit Greenwich	U	B	P
Jan. 1.5	356°.084	−21°.286	−7°.310
3.5	355.928	21.339	7.310
5.5	355.770	21.393	7.310
7.5	355.609	21.447	7.310
9.5	355.446	21.502	7.310
11.5	355.281	−21.558	−7.311
13.5	355.116	21.614	7.311
15.5	354.950	21.670	7.311
17.5	354.783	21.726	7.311
19.5	354.616	21.782	7.311
21.5	354.449	−21.837	−7.310
23.5	354.283	21.892	7.310
25.5	354.117	21.946	7.309
27.5	353.953	22.000	7.309
29.5	353.790	22.053	7.308
31.5	353.630	−22.105	−7.308
Febr. 2.5	353.473	22.156	7.307
4.5	353.320	22.206	7.306
6.5	353.170	22.254	7.305
8.5	353.024	22.301	7.304
10.5	352.881	−22.346	−7.303
12.5	352.742	22.391	7.302
14.5	352.607	22.434	7.301
16.5	352.477	22.476	7.300
18.5	352.353	22.516	7.299
20.5	352.234	−22.554	−7.298
22.5	352.121	22.590	7.297
24.5	352.014	22.624	7.296
26.5	351.913	22.656	7.295
28.5	351.819	22.686	7.295
März 2.5	351.731	−22.714	−7.294
4.5	351.650	22.740	7.294
6.5	351.577	22.764	7.293
8.5	351.511	22.785	7.293
10.5	351.452	22.805	7.292
12.5	351.399	−22.822	−7.292
14.5	351.353	22.838	7.291
16.5	351.315	22.851	7.291
18.5	351.285	22.862	7.291
20.5	351.262	22.871	7.291
22.5	351.247	−22.878	−7.291
24.5	351.239	22.881	7.291
26.5	351.239	22.883	7.291
28.5	351.247	22.882	7.291
30.5	351.262	22.880	7.291
April 1.5	351.285	−22.876	−7.292
3.5	351.316	22.870	7.292

Mittlere Zeit Greenwich	U	B	P
April 3.5	351°.316	−22°.870	−7°.292
5.5	351.354	22.862	7.293
7.5	351.400	22.852	7.294
9.5	351.453	22.838	7.295
11.5	351.514	22.822	7.295
13.5	351.583	−22.804	−7.296
15.5	351.658	22.784	7.296
17.5	351.740	22.762	7.297
19.5	351.829	22.738	7.298
21.5	351.925	22.712	7.299
23.5	352.028	−22.684	−7.300
25.5	352.138	22.655	7.301
27.5	352.254	22.624	7.302
29.5	352.377	22.591	7.303
Mai 1.5	352.506	22.556	7.304
3.5	352.641	−22.519	−7.305
5.5	352.782	22.479	7.306
7.5	352.928	22.437	7.308
9.5	353.081	22.394	7.309
11.5	353.239	22.349	7.310
13.5	353.402	−22.302	−7.311
15.5	353.571	22.253	7.312
17.5	353.744	22.202	7.312
19.5	353.922	22.149	7.313
21.5	354.105	22.095	7.314
23.5	354.293	−22.039	−7.315
25.5	354.485	21.982	7.316
27.5	354.682	21.924	7.317
29.5	354.884	21.864	7.317
31.5	355.090	21.803	7.318
Juni 2.5	355.300	−21.740	−7.318
4.5	355.513	21.675	7.318
6.5	355.729	21.609	7.318
8.5	355.949	21.541	7.318
10.5	356.172	21.472	7.318
12.5	356.398	−21.402	−7.318
14.5	356.626	21.330	7.318
16.5	356.857	21.257	7.318
18.5	357.091	21.182	7.317
20.5	357.328	21.106	7.316
22.5	357.567	−21.029	−7.315
24.5	357.809	20.951	7.314
26.5	358.053	20.872	7.312
28.5	358.298	20.792	7.311
30.5	358.545	20.711	7.309
Juli 2.5	358.793	−20.629	−7.307
4.5	359.043	20.546	7.305

Mittlere Zeit Greenwich	U	B	P	Mittlere Zeit Greenwich	U	B	P
	°	°	°		°	°	°
Juli 4.5	359.043	—20.546	—7.305	Okt. 2.5	9.577	—16.731	—7.093
6.5	359.295	20.463	7.303	4.5	9.747	16.666	7.088
8.5	359.547	20.380	7.300	6.5	9.912	16.603	7.083
10.5	359.801	20.295	7.298	8.5	10.072	16.542	7.078
12.5	0.055	20.210	7.295	10.5	10.226	16.483	7.073
14.5	0.310	—20.123	—7.293	12.5	10.374	—16.426	—7.068
16.5	0.566	20.036	7.290	14.5	10.516	16.371	7.063
18.5	0.823	19.947	7.287	16.5	10.653	16.318	7.059
20.5	1.080	19.858	7.284	18.5	10.785	16.268	7.054
22.5	1.338	19.769	7.281	20.5	10.911	16.220	7.050
24.5	1.595	—19.679	—7.277	22.5	11.031	—16.175	—7.046
26.5	1.852	19.589	7.273	24.5	11.146	16.132	7.042
28.5	2.109	19.498	7.269	26.5	11.255	16.092	7.038
30.5	2.365	19.408	7.265	28.5	11.357	16.055	7.035
Aug. 1.5	2.621	19.318	7.261	30.5	11.453	16.020	7.031
3.5	2.876	—19.228	—7.257	Nov. 1.5	11.542	—15.988	—7.028
5.5	3.131	19.138	7.253	3.5	11.624	15.958	7.025
7.5	3.384	19.048	7.249	5.5	11.700	15.932	7.023
9.5	3.637	18.957	7.244	7.5	11.769	15.908	7.020
11.5	3.889	18.867	7.240	9.5	11.832	15.888	7.018
13.5	4.139	—18.776	—7.235	11.5	11.888	—15.870	—7.016
15.5	4.388	18.686	7.230	13.5	11.937	15.855	7.015
17.5	4.635	18.596	7.225	15.5	11.979	15.843	7.013
19.5	4.880	18.506	7.220	17.5	12.014	15.834	7.012
21.5	5.124	18.416	7.214	19.5	12.042	15.829	7.011
23.5	5.366	—18.326	—7.209	21.5	12.062	—15.827	—7.011
25.5	5.606	18.237	7.203	23.5	12.076	15.828	7.010
27.5	5.844	18.148	7.198	25.5	12.082	15.832	7.010
29.5	6.079	18.060	7.192	27.5	12.081	15.838	7.010
31.5	6.311	17.973	7.186	29.5	12.072	15.847	7.011
Sept. 2.5	6.540	—17.886	—7.180	Dez. 1.5	12.056	—15.859	—7.011
4.5	6.766	17.801	7.174	3.5	12.034	15.874	7.012
6.5	6.990	17.716	7.168	5.5	12.004	15.892	7.013
8.5	7.211	17.633	7.162	7.5	11.968	15.914	7.015
10.5	7.428	17.551	7.156	9.5	11.925	15.938	7.017
12.5	7.643	—17.470	—7.150	11.5	11.875	—15.966	—7.019
14.5	7.854	17.390	7.144	13.5	11.819	15.997	7.022
16.5	8.062	17.310	7.138	15.5	11.756	16.030	7.025
18.5	8.266	17.231	7.132	17.5	11.686	16.066	7.028
20.5	8.467	17.154	7.126	19.5	11.610	16.104	7.032
22.5	8.663	—17.078	—7.121	21.5	11.528	—16.145	—7.035
24.5	8.854	17.006	7.115	23.5	11.439	16.188	7.039
26.5	9.042	16.935	7.109	25.5	11.344	16.234	7.042
28.5	9.225	16.866	7.103	27.5	11.243	16.283	7.046
30.5	9.403	16.798	7.098	29.5	11.137	16.334	7.050
Okt. 2.5	9.577	—16.731	—7.093	31.5	11.025	—16.387	—7.054

MIMAS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta}\sin B$	Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta}\sin B$
Jan. 1.5	353°186	313°05	1.49848	—11″44	März 20.5	268°898	150°76	1.47224	—11″53
3.5	37.179	355.05	1.49896	—11.48	22.5	312.891	192.75	1.47070	—11.49
5.5	81.172	37.04	1.49938	—11.52	24.5	356.883	234.75	1.46914	—11.45
7.5	125.165	79.03	1.49976	—11.56	26.5	40.876	276.74	1.46758	—11.41
9.5	169.157	121.02	1.50005	—11.60	28.5	84.868	318.73	1.46599	—11.37
11.5	213.150	163.01	1.50027	—11.63	30.5	128.860	0.72	1.46439	—11.33
13.5	257.143	205.00	1.50043	—11.66	April 1.5	172.852	42.72	1.46279	—11.29
15.5	301.136	247.00	1.50052	—11.69	3.5	216.845	84.71	1.46118	—11.24
17.5	345.129	288.99	1.50054	—11.72	5.5	260.838	126.70	1.45957	—11.20
19.5	29.122	330.99	1.50049	—11.75	7.5	304.830	168.69	1.45796	—11.15
21.5	73.114	12.98	1.50037	—11.78	9.5	348.822	210.69	1.45635	—11.10
23.5	117.106	54.97	1.50019	—11.80	11.5	32.815	252.68	1.45474	—11.05
25.5	161.099	96.96	1.49994	—11.82	13.5	76.807	294.67	1.45313	—11.00
27.5	205.092	138.96	1.49962	—11.84	15.5	120.800	336.66	1.45153	—10.95
29.5	249.084	180.95	1.49923	—11.86	17.5	164.792	18.66	1.44993	—10.90
31.5	293.077	222.94	1.49877	—11.87	19.5	208.785	60.65	1.44834	—10.85
Febr. 2.5	337.069	264.93	1.49827	—11.88	21.5	252.778	102.64	1.44677	—10.80
4.5	21.062	306.93	1.49769	—11.89	23.5	296.770	144.63	1.44521	—10.75
6.5	65.055	348.92	1.49705	—11.90	25.5	340.762	186.63	1.44365	—10.70
8.5	109.048	30.91	1.49634	—11.90	27.5	24.755	228.62	1.44212	—10.65
10.5	153.040	72.90	1.49559	—11.90	29.5	68.747	270.61	1.44060	—10.59
12.5	197.033	114.90	1.49476	—11.90	Mai 1.5	112.739	312.60	1.43910	—10.54
14.5	241.026	156.89	1.49387	—11.90	3.5	156.731	354.60	1.43762	—10.49
16.5	285.018	198.88	1.49294	—11.90	5.5	200.724	36.59	1.43616	—10.44
18.5	329.011	240.87	1.49196	—11.89	7.5	244.716	78.58	1.43471	—10.39
20.5	13.003	282.86	1.49093	—11.88	9.5	288.708	120.57	1.43330	—10.34
22.5	56.996	324.85	1.48986	—11.87	11.5	332.700	162.56	1.43190	—10.28
24.5	100.988	6.84	1.48872	—11.85	13.5	16.692	204.55	1.43053	—10.23
26.5	144.981	48.84	1.48753	—11.84	15.5	60.685	246.54	1.42918	—10.17
28.5	188.974	90.83	1.48630	—11.82	17.5	104.677	288.53	1.42786	—10.12
März 2.5	232.966	132.82	1.48505	—11.80	19.5	148.670	330.53	1.42658	—10.07
4.5	276.958	174.82	1.48375	—11.78					
6.5	320.951	216.81	1.48241	—11.75					
8.5	4.943	258.80	1.48104	—11.72	Sept. 30.5	216.126	263.98	1.42408	— 7.67
10.5	48.936	300.79	1.47965	—11.69	Okt. 2.5	260.118	305.97	1.42532	— 7.66
12.5	92.928	342.78	1.47822	—11.66	4.5	304.109	347.96	1.42660	— 7.65
14.5	136.921	24.78	1.47675	—11.63	6.5	348.100	29.95	1.42790	— 7.65
16.5	180.913	66.77	1.47527	—11.60	8.5	32.092	71.94	1.42922	— 7.65
18.5	224.906	108.76	1.47377	—11.56	10.5	76.084	113.94	1.43057	— 7.65
20.5	268.898	150.76	1.47224	—11.53	12.5	120.076	155.93	1.43195	— 7.65

MIMAS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$	Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
Okt. 12.5	120°.076	155°.93	1.43195	− 7″.65	Nov. 21.5	279°.903	275°.76	1.46271	− 7″.91
14.5	164.068	197.92	1.43335	− 7.65	23.5	323.894	317.75	1.46428	− 7.94
16.5	208.059	239.91	1.43477	− 7.65	25.5	7.886	359.74	1.46584	− 7.97
18.5	252.050	281.90	1.43622	− 7.65	27.5	51.877	41.73	1.46738	− 8.00
20.5	296.042	323.89	1.43768	− 7.65	29.5	95.868	83.72	1.46892	− 8.03
22.5	340.034	5.88	1.43917	− 7.66	Dez. 1.5	139.860	125.71	1.47044	− 8.07
24.5	24.025	47.87	1.44068	− 7.66	3.5	183.851	167.70	1.47194	− 8.11
26.5	68.017	89.86	1.44220	− 7.67	5.5	227.842	209.69	1.47341	− 8.15
28.5	112.008	131.85	1.44374	− 7.68	7.5	271.834	251.68	1.47486	− 8.18
30.5	155.999	173.84	1.44528	− 7.69	9.5	315.826	293.67	1.47629	− 8.22
Nov. 1.5	199.990	215.84	1.44684	− 7.70	11.5	359.817	335.66	1.47769	− 8.26
3.5	243.982	257.83	1.44841	− 7.72	13.5	43.808	17.66	1.47905	− 8.30
5.5	287.973	299.82	1.44999	− 7.73	15.5	87.799	59.65	1.48037	− 8.34
7.5	331.964	341.81	1.45158	− 7.75	17.5	131.790	101.64	1.48167	− 8.39
9.5	15.955	23.80	1.45317	− 7.77	19.5	175.782	143.63	1.48293	− 8.43
11.5	59.947	65.80	1.45476	− 7.80	21.5	219.773	185.63	1.48415	− 8.48
13.5	103.938	107.79	1.45636	− 7.82	23.5	263.765	227.62	1.48531	− 8.52
15.5	147.929	149.78	1.45795	− 7.84	25.5	307.756	269.61	1.48644	− 8.57
17.5	191.920	191.77	1.45954	− 7.86	27.5	351.747	311.60	1.48753	− 8.61
19.5	235.912	233.77	1.46113	− 7.88	29.5	35.738	353.59	1.48857	− 8.66
21.5	279.903	275.76	1.46271	− 7.91	31.5	79.730	35.58	1.48954	− 8.71

ENCELADUS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$	Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
Jan. 1.5	238°.975	230°.8	1.60669	−14″.68	Jan. 31.5	200°.893	182°.6	1.60698	−15″.23
3.5	44.436	35.6	1.60717	−14.72	Febr. 2.5	6.354	347.3	1.60648	−15.24
5.5	209.898	200.4	1.60759	−14.77	4.5	171.815	152.1	1.60590	−15.25
7.5	15.359	5.2	1.60797	−14.82	6.5	337.276	316.9	1.60526	−15.26
9.5	180.820	170.0	1.60826	−14.87	8.5	142.738	121.7	1.60455	−15.27
11.5	346.281	334.8	1.60848	−14.92	10.5	308.199	286.5	1.60380	−15.27
13.5	151.742	139.5	1.60864	−14.96	12.5	113.660	91.3	1.60297	−15.27
15.5	317.203	304.3	1.60873	−15.00	14.5	279.122	256.0	1.60208	−15.27
17.5	122.664	109.0	1.60875	−15.04	16.5	84.583	60.8	1.60115	−15.26
19.5	288.125	273.8	1.60870	−15.07	18.5	250.044	225.6	1.60017	−15.25
21.5	93.587	78.6	1.60858	−15.10	20.5	55.505	30.4	1.59914	−15.24
23.5	259.048	243.4	1.60840	−15.13	22.5	220.966	195.2	1.59807	−15.23
25.5	64.509	48.2	1.60815	−15.16	24.5	26.427	0.0	1.59693	−15.21
27.5	229.971	213.0	1.60783	−15.19	26.5	191.889	164.7	1.59574	−15.19
29.5	35.432	17.8	1.60744	−15.21	28.5	357.350	329.5	1.59451	−15.17
31.5	200.893	182.6	1.60698	−15.23	März 2.5	162.811	134.3	1.59326	−15.14

ENCELADUS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin E$	Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin E$
März 2.5	162°.811	134°.3	1.59326	−15″.14	Sept. 30.5	61°.761	321°.6	1.53229	− 9″.85
4.5	328.273	299.1	1.59196	−15.11	Okt. 2.5	227.223	126.4	1.53353	− 9.84
6.5	133.734	103.9	1.59062	−15.08	4.5	32.686	291.2	1.53481	− 9.83
8.5	299.195	268.7	1.58925	−15.05	6.5	198.148	96.0	1.53611	− 9.82
10.5	104.656	73.4	1.58786	−15.01	8.5	3.611	260.8	1.53743	− 9.81
12.5	270.117	238.2	1.58643	−14.97	10.5	169.073	65.6	1.53878	− 9.81
14.5	75.579	43.0	1.58496	−14.93	12.5	334.536	230.4	1.54016	− 9.81
16.5	241.040	207.8	1.58348	−14.89	14.5	139.998	35.2	1.54156	− 9.81
18.5	46.502	12.6	1.58198	−14.84	16.5	305.460	199.9	1.54298	− 9.81
20.5	211.963	177.4	1.58045	−14.79	18.5	110.923	4.7	1.54443	− 9.81
22.5	17.424	342.2	1.57891	−14.74	20.5	276.385	169.5	1.54589	− 9.82
24.5	182.885	147.0	1.57735	−14.69	22.5	81.848	334.3	1.54738	− 9.82
26.5	348.347	311.8	1.57579	−14.64	24.5	247.310	139.0	1.54889	− 9.83
28.5	153.808	116.6	1.57420	−14.59	26.5	52.773	303.8	1.55041	− 9.84
30.5	319.270	281.4	1.57260	−14.53	28.5	218.236	108.6	1.55195	− 9.86
April 1.5	124.731	86.2	1.57100	−14.48	30.5	23.698	273.4	1.55349	− 9.87
3.5	290.193	251.0	1.56939	−14.42	Nov. 1.5	189.161	78.2	1.55505	− 9.89
5.5	95.654	55.8	1.56778	−14.36	3.5	354.624	243.0	1.55662	− 9.91
7.5	261.116	220.5	1.56617	−14.30	5.5	160.087	47.8	1.55820	− 9.93
9.5	66.577	25.3	1.56456	−14.24	7.5	325.550	212.6	1.55979	− 9.95
11.5	232.039	190.0	1.56295	−14.18	9.5	131.012	17.4	1.56138	− 9.97
13.5	37.500	354.8	1.56134	−14.12	11.5	296.475	182.2	1.56297	−10.00
15.5	202.962	159.6	1.55974	−14.05	13.5	101.938	347.0	1.56457	−10.03
17.5	8.423	324.4	1.55814	−13.99	15.5	267.400	151.8	1.56616	−10.06
19.5	173.885	129.2	1.55655	−13.92	17.5	72.863	316.5	1.56775	−10.09
21.5	339.346	294.0	1.55498	−13.86	19.5	238.326	121.3	1.56934	−10.12
23.5	144.808	98.8	1.55342	−13.79	21.5	43.789	286.0	1.57092	−10.16
25.5	310.269	263.6	1.55186	−13.73	23.5	209.252	90.8	1.57249	−10.19
27.5	115.731	68.4	1.55033	−13.66	25.5	14.714	255.6	1.57405	−10.23
29.5	281.192	233.2	1.54881	−13.60	27.5	180.177	60.4	1.57559	−10.27
Mai 1.5	86.654	38.0	1.54731	−13.53	29.5	345.640	225.2	1.57713	−10.31
3.5	252.115	202.8	1.54583	−13.46	Dez. 1.5	151.103	30.0	1.57865	−10.35
5.5	57.577	7.6	1.54437	−13.39	3.5	316.566	194.8	1.58015	−10.40
7.5	223.038	172.3	1.54292	−13.33	5.5	122.029	359.6	1.58162	−10.45
9.5	28.500	337.0	1.54151	−13.26	7.5	287.492	164.4	1.58307	−10.50
11.5	193.961	141.8	1.54011	−13.19	9.5	92.955	329.2	1.58450	−10.55
13.5	359.423	306.6	1.53874	−13.12	11.5	258.418	134.0	1.58590	−10.60
15.5	164.884	111.4	1.53739	−13.05	13.5	63.881	298.8	1.58726	−10.65
17.5	330.346	276.2	1.53607	−12.98	15.5	229.344	103.6	1.58858	−10.71
19.5	135.807	81.0	1.53479	−12.91	17.5	34.807	268.4	1.58988	−10.76

ENCELADUS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$	Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
Dez. 17.5	34°.807	268°.4	1.58988	−10°.76	Dez. 25.5	336°.659	207°.4	1.59466	−11°.00
19.5	200.270	73.1	1.59114	−10.82	27.5	142.122	12.2	1.59574	−11.06
21.5	5.733	237.9	1.59236	−10.88	29.5	307.585	177.0	1.59678	−11.12
23.5	171.196	42.6	1.59353	−10.94	31.5	113.048	341.8	1.59775	−11.18
25.5	336.659	207.4	1.59466	−11.00					

TETHYS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$	Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
Jan. 1.5	157°.131		1.69939	−18°.17	März 4.5	100°.391		1.68466	−18°.70
3.5	178.526		1.69987	−18.23	6.5	121.786		1.68332	−18.66
5.5	199.922		1.70029	−18.29	8.5	143.182		1.68195	−18.62
7.5	221.317		1.70067	−18.35	10.5	164.577		1.68056	−18.57
9.5	242.713		1.70096	−18.41	12.5	185.973		1.67913	−18.52
11.5	264.108		1.70118	−18.47	14.5	207.368		1.67766	−18.47
13.5	285.504		1.70134	−18.52	16.5	228.764		1.67618	−18.42
15.5	306.899		1.70143	−18.57	18.5	250.159		1.67468	−18.36
17.5	328.295		1.70145	−18.62	20.5	271.555		1.67315	−18.31
19.5	349.690		1.70140	−18.66	22.5	292.950		1.67161	−18.25
21.5	11.086		1.70128	−18.70	24.5	314.346		1.67005	−18.19
23.5	32.481		1.70110	−18.74	26.5	335.741		1.66849	−18.12
25.5	53.877		1.70085	−18.77	28.5	357.137		1.66690	−18.06
27.5	75.272		1.70053	−18.80	30.5	18.532		1.66530	−17.99
29.5	96.668		1.70014	−18.83	April 1.5	39.928		1.66370	−17.92
31.5	118.063		1.69968	−18.85	3.5	61.323		1.66209	−17.85
Febr. 2.5	139.459		1.69918	−18.87	5.5	82.719		1.66048	−17.78
4.5	160.854		1.69860	−18.88	7.5	104.114		1.65887	−17.70
6.5	182.250		1.69796	−18.89	9.5	125.510		1.65726	−17.63
8.5	203.645		1.69725	−18.90	11.5	146.905		1.65565	−17.55
10.5	225.041		1.69650	−18.90	13.5	168.301		1.65404	−17.48
12.5	246.436		1.69567	−18.90	15.5	189.697		1.65244	−17.40
14.5	267.832		1.69478	−18.89	17.5	211.092		1.65084	−17.32
16.5	289.227		1.69385	−18.89	19.5	232.488		1.64925	−17.24
18.5	310.623		1.69287	−18.88	21.5	253.883		1.64768	−17.16
20.5	332.018		1.69184	−18.86	23.5	275.279		1.64612	−17.07
22.5	353.414		1.69077	−18.84	25.5	296.674		1.64456	−16.99
24.5	14.809		1.68963	−18.82	27.5	318.070		1.64303	−16.91
26.5	36.205		1.68844	−18.79	29.5	339.465		1.64151	−16.83
28.5	57.600		1.68721	−18.76	Mai 1.5	0.861		1.64001	−16.74
März 2.5	78.995		1.68596	−18.73	3.5	22.256		1.63853	−16.66
4.5	100.391		1.68466	−18.70	5.5	43.652		1.63707	−16.58

TETHYS

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
Mai 5.5	43.652		1.63707	−16.58
7.5	65.047		1.63562	−16.50
9.5	86.443		1.63420	−16.41
11.5	107.838		1.63280	−16.33
13.5	129.234		1.63143	−16.24
15.5	150.629		1.63008	−16.16
17.5	172.025		1.62876	−16.07
19.5	193.420		1.62748	−15.99
Sept. 30.5	186.920		1.62499	−12.19
Okt. 2.5	208.316		1.62623	−12.18
4.5	229.711		1.62751	−12.17
6.5	251.107		1.62881	−12.16
8.5	272.503		1.63013	−12.15
10.5	293.898		1.63148	−12.14
12.5	315.294		1.63286	−12.14
14.5	336.689		1.63426	−12.14
16.5	358.085		1.63568	−12.14
18.5	19.480		1.63713	−12.14
20.5	40.876		1.63859	−12.15
22.5	62.271		1.64008	−12.16
24.5	83.667		1.64159	−12.17
26.5	105.062		1.64311	−12.19
28.5	126.458		1.64465	−12.21
30.5	147.853		1.64619	−12.23
Nov. 1.5	169.249		1.64775	−12.25
3.5	190.644		1.64932	−12.27
5.5	212.040		1.65090	−12.29
Nov. 5.5	212.040		1.65090	−12.29
7.5	233.435		1.65249	−12.31
9.5	254.831		1.65408	−12.34
11.5	276.226		1.65567	−12.37
13.5	297.622		1.65727	−12.41
15.5	319.017		1.65886	−12.45
17.5	340.413		1.66045	−12.49
19.5	1.808		1.66204	−12.53
21.5	23.204		1.66362	−12.58
23.5	44.599		1.66519	−12.62
25.5	65.995		1.66675	−12.67
27.5	87.390		1.66829	−12.72
29.5	108.786		1.66983	−12.77
Dez. 1.5	130.181		1.67135	−12.82
3.5	151.577		1.67285	−12.88
5.5	172.972		1.67432	−12.94
7.5	194.368		1.67577	−13.00
9.5	215.763		1.67720	−13.06
11.5	237.159		1.67860	−13.12
13.5	258.554		1.67996	−13.19
15.5	279.950		1.68128	−13.26
17.5	301.345		1.68258	−13.33
19.5	322.741		1.68384	−13.40
21.5	344.137		1.68506	−13.47
23.5	5.532		1.68623	−13.54
25.5	26.928		1.68736	−13.61
27.5	48.324		1.68844	−13.69
29.5	69.719		1.68948	−13.76
31.5	91.115		1.69045	−13.84

DIONE

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
Jan. 1.5	123.511	304.1	1.80686	−23.27
3.5	26.581	207.0	1.80734	−23.35
5.5	289.651	109.9	1.80776	−23.43
7.5	192.721	12.8	1.80814	−23.50
9.5	95.791	275.7	1.80843	−23.57
11.5	358.861	178.6	1.80865	−23.64
13.5	261.931	81.5	1.80881	−23.71
15.5	165.001	344.4	1.80890	−23.78
Jan. 15.5	165.001	344.4	1.80890	−23.78
17.5	68.071	247.3	1.80892	−23.84
19.5	331.141	150.2	1.80887	−23.90
21.5	234.211	53.1	1.80875	−23.95
23.5	137.281	316.0	1.80857	−24.00
25.5	40.351	218.9	1.80832	−24.04
27.5	303.421	121.8	1.80800	−24.08
29.5	206.491	24.7	1.80761	−24.11

DIONE

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$	Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
Jan. 29.5	206°.491	24°.7	1.80761	−24".11	April 17.5	26°.218	197°.8	1.75831	−22".18
31.5	109.561	287.6	1.80715	−24.14	19.5	289.288	100.7	1.75672	−22.08
Febr. 2.5	12.630	190.5	1.80665	−24.16	21.5	192.358	3.6	1.75515	−21.98
4.5	275.700	93.4	1.80607	−24.18	23.5	95.428	266.5	1.75359	−21.87
6.5	178.770	356.3	1.80543	−24.19	25.5	358.498	169.4	1.75203	−21.77
8.5	81.840	259.2	1.80472	−24.20	27.5	261.568	72.3	1.75050	−21.66
10.5	344.910	162.1	1.80397	−24.21	29.5	164.638	335.2	1.74898	−21.56
12.5	247.980	65.0	1.80314	−24.21	Mai 1.5	67.708	238.1	1.74748	−21.45
14.5	151.050	327.9	1.80225	−24.20	3.5	330.778	141.0	1.74600	−21.35
16.5	54.120	230.8	1.80132	−24.19	5.5	233.848	43.9	1.74453	−21.24
18.5	317.190	133.7	1.80034	−24.18	7.5	136.918	306.8	1.74308	−21.13
20.5	220.260	36.6	1.79932	−24.16	9.5	39.987	209.7	1.74167	−21.02
22.5	123.330	299.5	1.79824	−24.14	11.5	303.057	112.6	1.74027	−20.91
24.5	26.400	202.4	1.79710	−24.11	13.5	206.127	15.5	1.73890	−20.80
26.5	289.470	105.3	1.79591	−24.08	15.5	109.197	278.4	1.73755	−20.69
28.5	192.540	8.2	1.79468	−24.04	17.5	12.267	181.3	1.73623	−20.58
März 2.5	95.610	271.1	1.79343	−23.99	19.5	275.337	84.2	1.73495	−20.48
4.5	358.680	174.0	1.79213	−23.94					
6.5	261.749	76.9	1.79079	−23.89					
8.5	164.819	339.8	1.78942	−23.84	Sept. 30.5	261.017	58.5	1.73246	−15.61
10.5	67.889	242.7	1.78803	−23.78	Okt. 2.5	164.087	321.4	1.73370	−15.59
12.5	330.959	145.6	1.78660	−23.72	4.5	67.157	224.3	1.73498	−15.58
14.5	234.029	48.5	1.78513	−23.66	6.5	330.227	127.2	1.73628	−15.57
16.5	137.099	311.4	1.78365	−23.59	8.5	233.297	30.1	1.73760	−15.56
18.5	40.169	214.3	1.78215	−23.52	10.5	136.367	293.0	1.73895	−15.55
20.5	303.239	117.2	1.78062	−23.45	12.5	39.437	195.9	1.74033	−15.55
22.5	206.308	20.1	1.77908	−23.37	14.5	302.507	98.8	1.74173	−15.55
24.5	109.378	283.0	1.77752	−23.30	16.5	205.576	1.7	1.74315	−15.55
26.5	12.448	185.9	1.77596	−23.22	18.5	108.646	264.6	1.74460	−15.56
28.5	275.518	88.8	1.77437	−23.14	20.5	11.715	167.5	1.74606	−15.57
30.5	178.588	351.7	1.77277	−23.05	22.5	274.785	70.4	1.74755	−15.58
April 1.5	81.658	254.6	1.77117	−22.96	24.5	177.855	333.3	1.74906	−15.60
3.5	344.728	157.5	1.76956	−22.87	26.5	80.925	236.2	1.75058	−15.62
5.5	247.798	60.4	1.76795	−22.78	28.5	343.995	139.1	1.75212	−15.64
7.5	150.868	323.3	1.76634	−22.68	30.5	247.065	42.0	1.75366	−15.66
9.5	53.938	226.2	1.76473	−22.58	Nov. 1.5	150.134	304.9	1.75522	−15.68
11.5	317.008	129.1	1.76312	−22.48	3.5	53.204	207.8	1.75679	−15.71
13.5	220.078	32.0	1.76151	−22.38	5.5	316.274	110.7	1.75837	−15.74
15.5	123.148	294.9	1.75991	−22.28	7.5	219.344	13.6	1.75996	−15.77
17.5	26.218	197.8	1.75831	−22.18	9.5	122.414	276.5	1.76155	−15.81

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$	Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$

DIONE

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$	Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
Nov. 9.5	122°.414	276°.5	1.76155	−15″.81	Dez. 5.5	302°.320	94°.2	1.78179	−16″.57
11.5	25.483	179.4	1.76314	−15.85	7.5	205.390	357.1	1.78324	−16.65
13.5	288.553	82.3	1.76474	−15.90	9.5	108.459	260.0	1.78467	−16.73
15.5	191.623	345.2	1.76633	−15.95	11.5	11.529	162.9	1.78607	−16.81
17.5	94.692	248.1	1.76792	−16.00	13.5	274.599	65.8	1.78743	−16.89
19.5	357.762	151.0	1.76951	−16.05	15.5	177.669	328.7	1.78875	−16.98
21.5	260.832	53.9	1.77109	−16.11	17.5	80.739	231.6	1.79005	−17.07
23.5	163.902	316.8	1.77266	−16.16	19.5	343.808	134.5	1.79131	−17.16
25.5	66.972	219.7	1.77422	−16.22	21.5	246.878	37.4	1.79253	−17.25
27.5	330.041	122.6	1.77576	−16.28	23.5	149.948	300.3	1.79370	−17.34
29.5	233.111	25.5	1.77730	−16.35	25.5	53.018	203.2	1.79483	−17.43
Dez. 1.5	136.181	288.4	1.77882	−16.42	27.5	316.088	106.1	1.79591	−17.53
3.5	39.250	191.3	1.78032	−16.49	29.5	219.158	9.0	1.79695	−17.62
5.5	302.320	94.2	1.78179	−16.57	31.5	122.227	271.9	1.79792	−17.72

RHEA

Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$	Mittlere Zeit Greenwich	L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
Jan. 1.5	250°.706	151°.4	1.95190	−32″.50	Febr. 14.5	157°.065	56°.5	1.94729	−33″.80
3.5	50.086	310.7	1.95238	−32.62	16.5	316.445	215.8	1.94636	−33.79
5.5	209.466	110.0	1.95280	−32.73	18.5	115.824	15.2	1.94538	−33.77
7.5	8.846	269.4	1.95318	−32.83	20.5	275.204	174.5	1.94435	−33.74
9.5	168.226	68.7	1.95347	−32.93	22.5	74.584	333.8	1.94328	−33.70
11.5	327.606	228.0	1.95369	−33.03	24.5	233.964	133.2	1.94214	−33.66
13.5	126.986	27.3	1.95385	−33.12	26.5	33.344	292.5	1.94095	−33.61
15.5	286.366	186.6	1.95394	−33.21	28.5	192.724	91.8	1.93972	−33.56
17.5	85.745	346.0	1.95396	−33.30	März 2.5	352.104	251.1	1.93847	−33.50
19.5	245.125	145.3	1.95391	−33.37	4.5	151.484	50.4	1.93717	−33.44
21.5	44.505	304.6	1.95379	−33.44	6.5	310.864	209.8	1.93583	−33.37
23.5	203.885	104.0	1.95361	−33.50	8.5	110.244	9.1	1.93446	−33.30
25.5	3.265	263.3	1.95336	−33.56	10.5	269.624	168.4	1.93307	−33.22
27.5	162.645	62.6	1.95304	−33.61	12.5	69.004	327.7	1.93164	−33.14
29.5	322.025	221.9	1.95265	−33.66	14.5	228.384	127.1	1.93017	−33.05
31.5	121.405	21.2	1.95219	−33.70	16.5	27.764	286.4	1.92869	−32.96
Febr. 2.5	280.785	180.6	1.95169	−33.74	18.5	187.144	85.7	1.92719	−32.86
4.5	80.165	339.9	1.95111	−33.76	20.5	346.524	245.0	1.92566	−32.75
6.5	239.545	139.2	1.95047	−33.78	22.5	145.903	44.4	1.92412	−32.64
8.5	38.925	298.6	1.94976	−33.80	24.5	305.283	203.7	1.92256	−32.53
10.5	198.305	97.9	1.94901	−33.81	26.5	104.663	3.1	1.92100	−32.42
12.5	357.685	257.2	1.94818	−33.81	28.5	264.043	162.5	1.91941	−32.30
14.5	157.065	56.5	1.94729	−33.80	30.5	63.423	321.8	1.91781	−32.18

RHEA

Mittlere Zeit Greenwich		L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
März	30.5	63°.423	321°.8	1.91781	−32.18
April	1.5	222.803	121.1	1.91621	−32.06
	3.5	22.183	280.4	1.91460	−31.93
	5.5	181.563	79.7	1.91299	−31.80
	7.5	340.943	239.0	1.91138	−31.67
	9.5	140.323	38.3	1.90977	−31.53
	11.5	299.703	197.6	1.90816	−31.39
	13.5	99.083	356.9	1.90655	−31.25
	15.5	258.463	156.3	1.90495	−31.11
	17.5	57.843	315.6	1.90335	−30.97
	19.5	217.223	114.9	1.90176	−30.83
	21.5	16.603	274.2	1.90019	−30.69
	23.5	175.983	73.6	1.89863	−30.54
	25.5	335.363	232.9	1.89707	−30.39
	27.5	134.743	32.2	1.89554	−30.24
	29.5	294.123	191.6	1.89402	−30.09
Mai	1.5	93.503	350.9	1.89252	−29.94
	3.5	252.883	150.2	1.89104	−29.79
	5.5	52.263	309.5	1.88958	−29.64
	7.5	211.643	108.8	1.88813	−29.49
	9.5	11.022	268.2	1.88671	−29.35
	11.5	170.402	67.5	1.88531	−29.20
	13.5	329.782	226.8	1.88394	−29.05
	15.5	129.162	26.1	1.88259	−28.90
	17.5	288.542	185.5	1.88127	−28.75
	19.5	87.922	344.8	1.87999	−28.60
Sept.	30.5	326.378	219.6	1.87750	−21.80
Okt.	2.5	125.758	18.9	1.87874	−21.78
	4.5	285.138	178.2	1.88002	−21.77
	6.5	84.518	337.5	1.88132	−21.75
	8.5	243.898	136.8	1.88264	−21.74
	10.5	43.278	296.2	1.88399	−21.73
	12.5	202.658	95.5	1.88537	−21.73
	14.5	2.038	254.8	1.88677	−21.72
	16.5	161.418	54.2	1.88819	−21.72
	18.5	320.798	213.5	1.88964	−21.73

Mittlere Zeit Greenwich		L	M	$\log \frac{a(\Delta)}{\Delta}$	$\frac{a(\Delta)}{\Delta} \sin B$
Okt.	18.5	320°.798	213°.5	1.88964	−21.73
	20.5	120.178	12.8	1.89110	−21.74
	22.5	279.558	172.1	1.89259	−21.76
	24.5	78.938	331.5	1.89410	−21.78
	26.5	238.318	130.8	1.89562	−21.80
	28.5	37.698	290.1	1.89716	−21.83
	30.5	197.078	89.4	1.89870	−21.86
Nov.	1.5	356.457	248.8	1.90026	−21.90
	3.5	155.837	48.1	1.90183	−21.94
	5.5	315.217	207.4	1.90341	−21.98
	7.5	114.597	6.8	1.90500	−22.03
	9.5	273.977	166.1	1.90659	−22.08
	11.5	73.357	325.4	1.90818	−22.14
	13.5	232.737	124.7	1.90978	−22.20
	15.5	32.117	284.0	1.91137	−22.27
	17.5	191.496	83.4	1.91296	−22.34
	19.5	350.876	242.7	1.91455	−22.41
	21.5	150.256	42.0	1.91613	−22.49
	23.5	309.636	201.4	1.91770	−22.57
	25.5	109.016	0.7	1.91926	−22.66
	27.5	268.396	160.0	1.92080	−22.75
	29.5	67.776	319.3	1.92234	−22.84
Dez.	1.5	227.156	118.6	1.92386	−22.93
	3.5	26.535	278.0	1.92536	−23.03
	5.5	185.915	77.3	1.92683	−23.13
	7.5	345.295	236.6	1.92828	−23.24
	9.5	144.675	35.9	1.92971	−23.36
	11.5	304.055	195.3	1.93111	−23.48
	13.5	103.435	354.6	1.93247	−23.60
	15.5	262.815	153.9	1.93379	−23.72
	17.5	62.195	313.2	1.93509	−23.84
	19.5	221.575	112.6	1.93635	−23.96
	21.5	20.955	271.9	1.93757	−24.08
	23.5	180.335	71.2	1.93874	−24.21
	25.5	339.715	230.5	1.93987	−24.34
	27.5	139.095	29.8	1.94095	−24.47
	29.5	298.475	189.1	1.94199	−24.60
	31.5	97.855	348.5	1.94296	−24.74

Bewegung der mittleren Länge *L* und der mittleren Anomalie *M*

Zeit	Mimas		Enceladus		Tethys	Dione		Rhea	
	L	*M*	*L*	*M*	*L*	*L*	*M*	*L*	*M*
1^d	21°994	21°00	262°732	262°4	190°698	131°535	131°5	79°690	79°7
1^h	15.916	15.87	10.947	10.9	7.946	5.481	5.5	3.320	3.3
2	31.833	31.75	21.894	21.9	15.892	10.961	11.0	6.641	6.6
3	47.749	47.62	32.842	32.8	23.838	16.442	16.4	9.961	10.0
4	63.666	63.50	43.789	43.7	31.783	21.923	21.9	13.282	13.3
5	79.582	79.37	54.736	54.7	39.729	27.403	27.4	16.602	16.6
6	95.499	95.25	65.683	65.6	47.675	32.884	32.9	19.923	19.9
7	111.415	111.12	76.630	76.5	55.621	38.364	38.4	23.244	23.2
8	127.331	127.00	87.577	87.5	63.566	43.845	43.8	26.564	26.6
9	143.248	142.87	98.525	98.4	71.512	49.326	49.3	29.884	29.9
10	159.164	158.75	109.472	109.3	79.458	54.806	54.8	33.205	33.2
11	175.081	174.62	120.419	120.3	87.403	60.287	60.3	36.525	36.5
12	190.997	190.50	131.366	131.2	95.349	65.767	65.7	39.845	39.8
13	206.914	206.37	142.313	142.1	103.295	71.248	71.2	43.166	43.2
14	222.830	222.25	153.260	153.1	111.241	76.729	76.7	46.486	46.5
15	238.746	238.12	164.208	164.0	119.186	82.209	82.2	49.806	49.8
16	254.662	254.00	175.155	174.9	127.132	87.690	87.7	53.127	53.1
17	270.579	269.87	186.102	185.9	135.078	93.171	93.1	56.447	56.5
18	286.496	285.75	197.049	196.8	143.024	98.651	98.6	59.768	59.8
19	302.412	301.62	207.997	207.7	150.970	104.132	104.1	63.088	63.1
20	318.328	317.50	218.944	218.7	158.916	109.613	109.6	66.409	66.4
21	334.245	333.37	229.891	229.6	166.861	115.093	115.1	69.729	69.7
22	350.162	349.25	240.838	240.5	174.806	120.574	120.5	73.050	73.1
23	6.078	5.12	251.785	251.5	182.752	126.054	126.0	76.370	76.4
1^m	0.265	0.26	0.182	0.2	0.132	0.091	0.1	0.055	0.0
2	0.531	0.53	0.365	0.4	0.265	0.183	0.2	0.111	0.1
3	0.796	0.79	0.548	0.5	0.397	0.274	0.3	0.166	0.1
4	1.062	1.06	0.730	0.7	0.530	0.366	0.4	0.222	0.2
5	1.327	1.32	0.912	0.9	0.662	0.457	0.4	0.277	0.2
6	1.592	1.58	1.095	1.1	0.795	0.548	0.5	0.332	0.3
7	1.857	1.85	1.278	1.3	0.927	0.640	0.6	0.387	0.3
8	2.122	2.11	1.460	1.4	1.060	0.731	0.7	0.442	0.4
9	2.388	2.38	1.642	1.6	1.192	0.822	0.8	0.497	0.4
10	2.653	2.64	1.825	1.8	1.324	0.914	0.9	0.553	0.5
20	5.305	5.29	3.649	3.6	2.649	1.827	1.8	1.107	1.1
30	7.958	7.93	5.474	5.4	3.973	2.740	2.7	1.660	1.6
40	10.611	10.58	7.298	7.3	5.297	3.654	3.7	2.214	2.2
50	13.263	13.22	9.123	9.1	6.622	4.567	4.6	2.767	2.7
10^s	0.044	0.04	0.030	0.0	0.022	0.015	0.0	0.009	0.0
20	0.088	0.09	0.061	0.1	0.044	0.030	0.0	0.018	0.0
30	0.133	0.13	0.091	0.1	0.066	0.046	0.0	0.028	0.0
40	0.177	0.17	0.122	0.1	0.088	0.061	0.1	0.037	0.0
50	0.221	0.22	0.152	0.2	0.110	0.076	0.1	0.046	0.0

M	Mimas ±(v−M)	Mimas log r/a	Enceladus ±(v−M)	Enceladus log r/a	Dione ±(v−M)	Dione log r/a	Rhea ±(v−M)	Rhea log r/a	M
0°	0.000°	9.99167	0.000°	9.99800	0.000°	9.99913	0.000°	9.99961	360°
2	0.078	9.99167	0.018	9.99800	0.008	9.99913	0.004	9.99961	358
4	0.156	9.99169	0.037	9.99800	0.016	9.99913	0.007	9.99961	356
6	0.233	9.99172	0.055	9.99801	0.024	9.99913	0.011	9.99961	354
8	0.310	9.99175	0.074	9.99802	0.032	9.99914	0.014	9.99961	352
10	0.387	9.99180	0.092	9.99803	0.040	9.99914	0.018	9.99961	350
12	0.463	9.99186	0.110	9.99804	0.048	9.99915	0.021	9.99962	348
14	0.539	9.99193	0.128	9.99806	0.056	9.99916	0.025	9.99962	346
16	0.614	9.99201	0.146	9.99808	0.063	9.99916	0.028	9.99962	344
18	0.688	9.99210	0.164	9.99810	0.071	9.99917	0.032	9.99963	342
20	0.762	9.99220	0.181	9.99812	0.079	9.99918	0.035	9.99963	340
22	0.834	9.99230	0.199	9.99814	0.086	9.99919	0.039	9.99964	338
24	0.905	9.99242	0.216	9.99817	0.093	9.99921	0.042	9.99964	336
26	0.975	9.99255	0.232	9.99820	0.101	9.99922	0.045	9.99965	334
28	1.044	9.99269	0.249	9.99823	0.108	9.99923	0.048	9.99966	332
30	1.111	9.99284	0.265	9.99827	0.115	9.99925	0.052	9.99966	330
32	1.177	9.99299	0.281	9.99830	0.122	9.99926	0.055	9.99967	328
34	1.242	9.99316	0.296	9.99834	0.128	9.99928	0.058	9.99968	326
36	1.305	9.99333	0.311	9.99838	0.135	9.99930	0.061	9.99968	324
38	1.366	9.99351	0.326	9.99842	0.141	9.99931	0.064	9.99969	322
40	1.425	9.99370	0.340	9.99847	0.148	9.99933	0.066	9.99970	320
42	1.483	9.99390	0.354	9.99852	0.154	9.99935	0.069	9.99971	318
44	1.538	9.99410	0.368	9.99856	0.159	9.99937	0.072	9.99972	316
46	1.592	9.99431	0.381	9.99861	0.165	9.99940	0.074	9.99973	314
48	1.644	9.99453	0.393	9.99866	0.171	9.99942	0.077	9.99974	312
50	1.693	9.99476	0.405	9.99872	0.176	9.99944	0.079	9.99975	310
52	1.741	9.99499	0.417	9.99877	0.181	9.99947	0.081	9.99976	308
54	1.786	9.99523	0.428	9.99883	0.186	9.99949	0.083	9.99977	306
56	1.829	9.99547	0.438	9.99889	0.190	9.99951	0.085	9.99978	304
58	1.870	9.99572	0.448	9.99895	0.195	9.99954	0.087	9.99979	302
60	1.908	9.99598	0.458	9.99901	0.199	9.99957	0.089	9.99980	300
62	1.944	9.99623	0.467	9.99907	0.203	9.99959	0.091	9.99982	298
64	1.977	9.99650	0.475	9.99913	0.206	9.99962	0.093	9.99983	296
66	2.008	9.99676	0.483	9.99919	0.210	9.99965	0.094	9.99984	294
68	2.036	9.99704	0.490	9.99926	0.213	9.99967	0.096	9.99985	292
70	2.062	9.99731	0.496	9.99932	0.216	9.99970	0.097	9.99987	290
72	2.086	9.99759	0.502	9.99939	0.218	9.99973	0.098	9.99988	288
74	2.106	9.99787	0.508	9.99946	0.220	9.99976	0.099	9.99989	286
76	2.124	9.99815	0.512	9.99952	0.222	9.99979	0.100	9.99991	284
78	2.140	9.99843	0.516	9.99959	0.224	9.99982	0.101	9.99992	282
80	2.153	9.99872	0.520	9.99966	0.226	9.99985	0.102	9.99993	280
82	2.163	9.99900	0.523	9.99973	0.227	9.99988	0.102	9.99995	278
84	2.170	9.99929	0.525	9.99980	0.228	9.99991	0.103	9.99996	276
86	2.175	9.99958	0.526	9.99987	0.229	9.99994	0.103	9.99997	274
88	2.177	9.99987	0.527	9.99994	0.229	9.99997	0.103	9.99999	272
90	2.177	0.00016	0.527	0.00001	0.229	0.00000	0.103	0.00000	270

M	Mimas		Enceladus		Dione		Rhea		M
	$\pm(v-M)$	$\log \frac{r}{a}$	$+(v-M)$	$\log \frac{r}{a}$	$+(v-M)$	$\log \frac{r}{a}$	$+(v-M)$	$\log \frac{r}{a}$	
90°	2.177°	0.00016	0.527°	0.00001	0.229°	0.00000	0.103°	0.00000	270°
92	2.174	0.00044	0.527	0.00008	0.229	0.00003	0.103	0.00001	268
94	2.168	0.00073	0.526	0.00015	0.229	0.00006	0.103	0.00003	266
96	2.159	0.00101	0.524	0.00022	0.228	0.00009	0.103	0.00004	264
98	2.148	0.00130	0.522	0.00029	0.227	0.00012	0.102	0.00005	262
100	2.135	0.00158	0.519	0.00035	0.226	0.00015	0.102	0.00007	260
102	2.119	0.00186	0.515	0.00042	0.224	0.00018	0.101	0.00008	258
104	2.100	0.00214	0.511	0.00049	0.222	0.00021	0.100	0.00009	256
106	2.079	0.00241	0.506	0.00056	0.220	0.00024	0.099	0.00011	254
108	2.055	0.00268	0.500	0.00062	0.218	0.00027	0.098	0.00012	252
110	2.029	0.00295	0.494	0.00069	0.215	0.00030	0.097	0.00013	250
112	2.000	0.00321	0.488	0.00075	0.212	0.00033	0.096	0.00015	248
114	1.969	0.00347	0.480	0.00082	0.209	0.00035	0.094	0.00016	246
116	1.936	0.00373	0.473	0.00088	0.206	0.00038	0.093	0.00017	244
118	1.901	0.00398	0.464	0.00094	0.202	0.00041	0.091	0.00018	242
120	1.863	0.00422	0.455	0.00100	0.198	0.00044	0.089	0.00019	240
122	1.823	0.00446	0.446	0.00106	0.194	0.00046	0.087	0.00021	238
124	1.781	0.00469	0.436	0.00112	0.190	0.00049	0.085	0.00022	236
126	1.737	0.00492	0.425	0.00118	0.185	0.00051	0.083	0.00023	234
128	1.691	0.00514	0.414	0.00123	0.180	0.00053	0.081	0.00024	232
130	1.643	0.00536	0.402	0.00129	0.175	0.00056	0.079	0.00025	230
132	1.593	0.00557	0.390	0.00134	0.170	0.00058	0.077	0.00026	228
134	1.541	0.00577	0.378	0.00139	0.164	0.00060	0.074	0.00027	226
136	1.487	0.00597	0.365	0.00144	0.159	0.00062	0.072	0.00028	224
138	1.431	0.00616	0.351	0.00148	0.153	0.00065	0.069	0.00029	222
140	1.374	0.00634	0.337	0.00153	0.147	0.00067	0.066	0.00030	220
142	1.316	0.00651	0.323	0.00157	0.141	0.00068	0.064	0.00031	218
144	1.256	0.00668	0.308	0.00162	0.134	0.00070	0.061	0.00032	216
146	1.194	0.00683	0.293	0.00166	0.128	0.00072	0.058	0.00032	214
148	1.131	0.00698	0.278	0.00169	0.121	0.00074	0.055	0.00033	212
150	1.067	0.00713	0.262	0.00173	0.114	0.00075	0.052	0.00034	210
152	1.001	0.00726	0.246	0.00176	0.107	0.00077	0.048	0.00034	208
154	0.934	0.00738	0.230	0.00179	0.100	0.00078	0.045	0.00035	206
156	0.867	0.00750	0.213	0.00182	0.093	0.00079	0.042	0.00036	204
158	0.798	0.00760	0.196	0.00185	0.086	0.00080	0.039	0.00036	202
160	0.728	0.00770	0.179	0.00187	0.078	0.00081	0.035	0.00037	200
162	0.658	0.00779	0.162	0.00190	0.071	0.00082	0.032	0.00037	198
164	0.587	0.00787	0.144	0.00192	0.063	0.00083	0.028	0.00037	196
166	0.515	0.00794	0.127	0.00193	0.055	0.00084	0.025	0.00038	194
168	0.442	0.00800	0.109	0.00195	0.048	0.00085	0.021	0.00038	192
170	0.369	0.00805	0.091	0.00196	0.040	0.00085	0.018	0.00038	190
172	0.296	0.00810	0.073	0.00197	0.032	0.00086	0.014	0.00039	188
174	0.222	0.00813	0.055	0.00198	0.024	0.00086	0.011	0.00039	186
176	0.148	0.00815	0.037	0.00199	0.016	0.00086	0.007	0.00039	184
178	0.074	0.00817	0.018	0.00199	0.008	0.00087	0.004	0.00039	182
180	0.000	0.00817	0.000	0.00199	0.000	0.00087	0.000	0.00039	180

Mittlere Zeit Greenwich	ϑ					γ	N	J	ω
	Mimas	Encel.	Tethys	Dione	Rhea	Rhea	Saturnsring		
1916 Dez. 26.5	235.9°	286.5°	133.5°	10.3°	115.4°	19.30°	127.091°	6.854°	42.390°
1917 Jan. 11.5	219.9	279.8	130.4	8.9	115.0	19.29	127.093	6.854	42.388
27.5	203.9	273.0	127.2	7.5	114.5	19.28	127.095	6.854	42.387
Febr. 12.5	187.8	266.3	124.0	6.2	114.1	19.27	127.097	6.853	42.386
28.5	171.8	259.6	120.8	4.8	113.7	19.25	127.098	6.853	42.385
März 16.5	155.8	252.9	117.6	3.4	113.2	19.24	127.100	6.853	42.383
April 1.5	139.8	246.2	114.5	2.1	112.7	19.22	127.102	6.853	42.382
17.5	123.8	239.5	111.3	0.8	112.2	19.21	127.104	6.853	42.381
Mai 3.5	107.8	232.8	108.2	359.4	111.8	19.19	127.106	6.852	42.379
19.5	91.8	226.2	105.0	358.0	111.3	19.18	127.107	6.852	42.378
Juni 4.5	75.8	219.5	101.8	356.7	110.9	19.17	127.109	6.852	42.377
20.5	59.8	212.8	98.6	355.3	110.4	19.16	127.111	6.852	42.376
Juli 6.5	43.8	206.2	95.4	354.0	110.0	19.14	127.113	6.851	42.375
22.5	27.8	199.5	92.3	352.6	109.5	19.13	127.114	6.851	42.373
Aug. 7.5	11.8	192.7	89.1	351.2	109.0	19.11	127.116	6.851	42.372
23.5	355.8	186.0	85.9	349.8	108.6	19.10	127.118	6.851	42.371
Sept. 8.5	339.8	179.3	82.8	348.4	108.1	19.08	127.120	6.851	42.370
24.5	323.8	172.6	79.6	347.1	107.6	19.07	127.122	6.850	42.369
Okt. 10.5	307.8	166.0	76.4	345.7	107.1	19.06	127.123	6.850	42.367
26.5	291.8	159.3	73.2	344.4	106.7	19.05	127.125	6.850	42.366
Nov. 11.5	275.8	152.6	70.0	343.0	106.2	19.03	127.127	6.850	42.365
27.5	259.8	145.9	66.8	341.7	105.8	19.02	127.129	6.850	42.364
Dez. 13.5	243.8	139.2	63.7	340.4	105.4	19.00	127.131	6.849	42.362
29.5	227.8	132.5	60.5	339.0	104.9	18.99	127.133	6.849	42.361
1918 Jan. 14.5	211.8	125.8	57.3	337.6	104.4	18.97	127.134	6.849	42.360

$\log \frac{1}{1+\zeta}$, in Einheiten der 5. Dezimale

u − U		Mimas	Encel.	Tethys	Dione	Rhea	u − U	
0°	360°	−6+	−7+	−9+	−11+	−16+	180°	180°
10	350	−6+	−7+	−9+	−11+	−16+	170	190
20	340	−5+	−7+	−8+	−11+	−15+	160	200
30	330	−5+	−6+	−8+	−10+	−14+	150	210
40	320	−4+	−6+	−7+	− 9+	−12+	140	220
50	310	−3+	−5+	−6+	− 8+	−10+	130	230
60	300	−3+	−4+	−4+	− 6+	− 8+	120	240
70	290	−2+	−3+	−3+	− 4+	− 6+	110	250
80	280	−1+	−1+	−2+	− 2+	− 3+	100	260
90	270	0	0	0	0	0	90	270

Mittlere Zeit Greenwich	TITAN			HYPERION			JAPETUS		
	U	*B*	*P*	*U*	*B*	*P*	*U*	*B*	*P*
Jan. 1.5	357°.534	−21°.080	−6°.944	352°.743	−21°.574	−6°.586	70°.190	−7°.178	−5°.158
3.5	357.379	21.133	6.944	352.585	21.625	6.586	70.042	7.227	5.197
5.5	357.221	21.187	6.945	352.425	21.677	6.585	69.892	7.277	5.236
7.5	357.059	21.241	6.945	352.263	21.730	6.584	69.739	7.327	5.275
9.5	356.894	21.296	6.946	352.099	21.783	6.583	69.585	7.378	5.315
11.5	356.727	−21.351	−6.946	351.934	−21.837	−6.581	69.429	−7.429	−5.356
13.5	356.559	21.406	6.946	351.767	21.892	6.580	69.272	7.480	5.397
15.5	356.390	21.461	6.947	351.599	21.947	6.579	69.114	7.531	5.438
17.5	356.221	21.516	6.948	351.431	22.002	6.578	68.956	7.582	5.478
19.5	356.054	21.571	6.948	351.262	22.056	6.577	68.798	7.632	5.519
21.5	355.889	−21.625	−6.949	351.094	−22.109	−6.576	68.641	−7.682	−5.559
23.5	355.725	21.679	6.949	350.926	22.162	6.574	68.484	7.731	5.599
25.5	355.562	21.732	6.950	350.760	22.214	6.573	68.329	7.780	5.639
27.5	355.399	21.784	6.950	350.595	22.265	6.571	68.175	7.829	5.679
29.5	355.238	21.836	6.950	350.431	22.315	6.570	68.022	7.877	5.718
31.5	355.079	−21.887	−6.949	350.270	−22.364	−6.568	67.871	−7.925	−5.757
Febr. 2.5	354.922	21.936	6.949	350.112	22.412	6.567	67.723	7.972	5.795
4.5	354.768	21.985	6.949	349.957	22.459	6.565	67.578	8.017	5.833
6.5	354.617	22.033	6.949	349.806	22.506	6.564	67.437	8.062	5.869
8.5	354.469	22.079	6.948	349.658	22.551	6.562	67.299	8.106	5.904
10.5	354.326	−22.124	−6.948	349.514	−22.596	−6.560	67.164	−8.148	−5.938
12.5	354.187	22.168	6.947	349.373	22.639	6.558	67.034	8.190	5.971
14.5	354.052	22.210	6.947	349.236	22.681	6.557	66.908	8.231	6.003
16.5	353.922	22.251	6.946	349.105	22.721	6.555	66.786	8.270	6.034
18.5	353.797	22.290	6.946	348.980	22.760	6.553	66.670	8.308	6.063
20.5	353.679	−22.328	−6.946	348.861	−22.797	−6.551	66.559	−8.343	−6.091
22.5	353.567	22.364	6.945	348.748	22.832	6.550	66.453	8.377	6.118
24.5	353.461	22.398	6.945	348.640	22.865	6.548	66.353	8.408	6.144
26.5	353.361	22.430	6.945	348.539	22.896	6.547	66.258	8.438	6.168
28.5	353.267	22.459	6.944	348.444	22.924	6.546	66.169	8.466	6.191
März 2.5	353.179	−22.485	−6.943	348.355	−22.951	−6.545	66.087	−8.492	−6.212
4.5	353.097	22.509	6.943	348.272	22.975	6.544	66.011	8.516	6.232
6.5	353.023	22.532	6.942	348.197	22.998	6.543	65.942	8.538	6.250
8.5	352.956	22.553	6.942	348.129	23.019	6.543	65.880	8.558	6.266
10.5	352.897	22.572	6.941	348.069	23.038	6.543	65.825	8.576	6.280
12.5	352.844	−22.589	−6.941	348.016	−23.055	−6.542	65.777	−8.594	−6.292
14.5	352.799	22.604	6.941	347.970	23.070	6.542	65.736	8.609	6.302
16.5	352.761	22.617	6.941	347.932	23.082	6.542	65.702	8.622	6.311
18.5	352.731	22.628	6.941	347.901	23.093	6.542	65.674	8.633	6.318
20.5	352.708	22.637	6.941	347.878	23.101	6.542	65.653	8.642	6.323

Mittlere Zeit Greenwich	TITAN			HYPERION			JAPETUS		
	U	B	P	U	B	P	U	B	P
März 20.5	352°.708	−22°.637	−6°.941	347°.878	−23°.101	−6°.542	65°.653	−8°.642	−6°.323
22.5	352.693	22.644	6.941	347.863	23.108	6.542	65.639	8.649	6.327
24.5	352.686	22.648	6.941	347.856	23.113	6.542	65.632	8.654	6.329
26.5	352.686	22.651	6.941	347.856	23.116	6.542	65.632	8.657	6.329
28.5	352.694	22.652	6.941	347.864	23.117	6.541	65.640	8.656	6.327
30.5	352.709	−22.650	−6.941	347.879	−23.114	−6.541	65.655	−8.653	−6.323
April 1.5	352.733	22.646	6.942	347.902	23.110	6.542	65.677	8.648	6.317
3.5	352.764	22.640	6.942	347.932	23.104	6.543	65.706	8.642	6.310
5.5	352.803	22.631	6.943	347.970	23.096	6.544	65.742	8.633	6.301
7.5	352.849	22.620	6.943	348.016	23.086	6.545	65.786	8.622	6.290
9.5	352.902	−22.607	−6.943	348.069	−23.074	−6.546	65.837	−8.610	−6.277
11.5	352.963	22.591	6.944	348.130	23.059	6.547	65.894	8.596	6.262
13.5	353.030	22.573	6.945	348.198	23.042	6.548	65.958	8.580	6.246
15.5	353.105	22.554	6.946	348.273	23.024	6.549	66.029	8.562	6.228
17.5	353.188	22.533	6.946	348.356	23.004	6.550	66.107	8.542	6.209
19.5	353.277	−22.510	−6.947	348.445	−22.981	−6.552	66.191	−8.520	−6.188
21.5	353.374	22.485	6.947	348.541	22.956	6.553	66.281	8.496	6.166
23.5	353.476	22.458	6.948	348.644	22.930	6.555	66.377	8.470	6.142
25.5	353.586	22.429	6.948	348.754	22.901	6.557	66.478	8.442	6.116
27.5	353.702	22.398	6.949	348.870	22.870	6.559	66.586	8.412	6.089
29.5	353.825	−22.365	−6.949	348.993	−22.838	−6.561	66.699	−8.381	−6.060
Mai 1.5	353.954	22.330	6.950	349.123	22.804	6.564	66.818	8.348	6.030
3.5	354.089	22.293	6.950	349.260	22.768	6.566	66.945	8.312	5.998
5.5	354.230	22.254	6.951	349.402	22.730	6.569	67.078	8.274	5.964
7.5	354.377	22.213	6.951	349.551	22.690	6.571	67.218	8.236	5.929
9.5	354.530	−22.170	−6.952	349.705	−22.649	−6.574	67.363	−8.197	−5.892
11.5	354.688	22.125	6.952	349.864	22.606	6.576	67.513	8.155	5.854
13.5	354.851	22.079	6.952	350.027	22.561	6.578	67.669	8.111	5.814
15.5	355.019	22.031	6.953	350.195	22.515	6.580	67.830	8.067	5.773
17.5	355.192	21.982	6.954	350.369	22.467	6.581	67.995	8.022	5.731
19.5	355.371	−21.932	−6.954	350.548	−22.417	−6.583	68.164	−7.975	−5.688
Sept. 30.5	10.873	−16.676	−6.705	6.109	−17.236	−6.502	83.154	−3.520	−1.782
Okt. 2.5	11.048	16.611	6.699	6.284	17.171	6.498	83.328	3.468	1.736
4.5	11.217	−16.547	−6.693	6.454	−17.107	−6.494	83.496	−3.418	−1.692
6.5	11.381	16.486	6.687	6.619	17.046	6.490	83.659	3.369	1.649
8.5	11.541	16.426	6.682	6.779	16.986	6.487	83.816	3.323	1.608
10.5	11.696	16.367	6.676	6.933	16.929	6.483	83.968	3.279	1.569
12.5	11.845	16.311	6.671	7.082	16.875	6.480	84.114	3.236	1.531

Mittlere Zeit Greenwich	TITAN			HYPERION			JAPETUS		
	U	B	P	U	B	P	U	B	P
Okt. 12.5	11°.845	−16°.311	−6°.671	7°.082	−16°.875	−6°.480	84°.114	−3°.236	−1°.531
14.5	11.989	16.257	6.666	7.226	16.823	6.477	84.254	3.195	1.494
16.5	12.127	16.206	6.661	7.364	16.772	6.474	84.389	3.156	1.459
18.5	12.260	16.157	6.657	7.497	16.723	6.471	84.520	3.120	1.424
20.5	12.387	16.111	6.653	7.625	16.676	6.468	84.645	3.086	1.391
22.5	12.508	−16.067	−6.649	7.747	−16.632	−6.465	84.765	−3.052	−1.359
24.5	12.623	16.026	6.646	7.862	16.590	6.463	84.880	3.020	1.329
26.5	12.731	15.987	6.642	7.971	16.551	6.460	84.990	2.990	1.301
28.5	12.832	15.950	6.639	8.073	16.514	6.458	85.095	2.961	1.275
30.5	12.927	15.915	6.636	8.169	16.480	6.456	85.193	2.934	1.250
Nov. 1.5	13.016	−15.883	−6.633	8.258	−16.448	−6.454	85.284	−2.910	−1.227
3.5	13.099	15.854	6.630	8.341	16.419	6.452	85.368	2.888	1.205
5.5	13.176	15.827	6.627	8.418	16.392	6.450	85.444	2.869	1.185
7.5	13.247	15.803	6.624	8.488	16.368	6.448	85.513	2.852	1.166
9.5	13.310	15.782	6.622	8.551	16.348	6.447	85.575	2.838	1.149
11.5	13.366	−15.765	−6.620	8.606	−16.331	−6.446	85.631	−2.826	−1.134
13.5	13.414	15.751	6.618	8.655	16.317	6.445	85.679	2.817	1.122
15.5	13.456	15.740	6.616	8.696	16.306	6.444	85.721	2.810	1.112
17.5	13.490	15.732	6.614	8.730	16.298	6.443	85.755	2.806	1.103
19.5	13.518	15.727	6.613	8.758	16.292	6.443	85.782	2.804	1.096
21.5	13.538	−15.724	−6.613	8.778	−16.290	−6.442	85.802	−2.803	−1.090
23.5	13.551	15.724	6.612	8.792	16.290	6.442	85.815	2.804	1.087
25.5	13.557	15.728	6.612	8.798	16.294	6.442	85.821	2.808	1.085
27.5	13.556	15.734	6.613	8.797	16.301	6.442	85.820	2.814	1.085
29.5	13.548	15.744	6.614	8.788	16.312	6.443	85.812	2.822	1.087
Dez. 1.5	13.533	−15.757	−6.615	8.772	−16.326	−6.444	85.797	−2.833	−1.091
3.5	13.511	15.772	6.617	8.749	16.342	6.445	85.775	2.846	1.097
5.5	13.482	15.790	6.618	8.719	16.360	6.446	85.745	2.862	1.105
7.5	13.445	15.811	6.620	8.682	16.380	6.448	85.708	2.880	1.115
9.5	13.401	15.835	6.621	8.639	16.402	6.449	85.664	2.901	1.127
11.5	13.351	−15.862	−6.623	8.588	−16.428	−6.451	85.614	−2.924	−1.140
13.5	13.294	15.892	6.625	8.530	16.457	6.453	85.557	2.949	1.155
15.5	13.230	15.924	6.627	8.466	16.490	6.455	85.493	2.976	1.172
17.5	13.160	15.960	6.629	8.395	16.526	6.458	85.423	3.004	1.190
19.5	13.083	15.998	6.632	8.319	16.564	6.461	85.347	3.034	1.210
21.5	13.000	−16.039	−6.636	8.237	−16.605	−6.463	85.266	−3.066	−1.233
23.5	12.911	16.082	6.640	8.148	16.649	6.466	85.178	3.101	1.257
25.5	12.816	16.128	6.644	8.054	16.694	6.468	85.084	3.137	1.283
27.5	12.715	16.176	6.648	7.953	16.742	6.471	84.984	3.174	1.310
29.5	12.609	16.226	6.652	7.846	16.791	6.474	84.878	3.214	1.338
31.5	12.498	16.278	6.656	7.732	16.842	6.477	84.766	3.256	1.366

Mittlere Zeit Greenwich	TITAN				HYPERION				JAPETUS			
	$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$		$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$		$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$	
	s	s	"	"	s	s	"	"	s	s	"	"
Jan. 1.5	− 7.97	+5.22	−77.2	− 3.0	+ 5.54	+5.00	− 73.5	+20.2	+34.79	+1.99	− 4.4	+7.3
2.5	− 2.75	+5.61	−80.2	+ 8.5	+10.54	+3.93	− 53.3	+25.9	+36.78	+1.78	+ 2.9	+7.3
3.5	+ 2.86	+5.22	−71.7	+18.7	+14.47	+2.50	− 27.4	+28.6	+38.56	+1.56	+ 10.2	+7.4
4.5	+ 8.08	+4.04	−53.0	+26.4	+16.97	+0.94	+ 1.2	+28.7	+40.12	+1.32	+ 17.6	+7.3
5.5	+12.12	+2.24	−26.6	+30.5	+17.91	−0.61	+ 29.9	+26.1	+41.44	+1.06	+ 24.9	+7.2
6.5	+14.36	+0.04	+ 3.9	+30.0	+17.30	−2.01	+ 56.0	+21.7	+42.50	+0.81	+ 32.1	+7.1
7.5	+14.40	−2.25	+33.9	+24.7	+15.29	−3.21	+ 77.7	+16.0	+43.31	+0.55	+ 39.2	+6.9
8.5	+12.15	−4.25	+58.6	+15.1	+12.08	−4.10	+ 93.7	+ 9.1	+43.86	+0.29	+ 46.1	+6.6
9.5	+ 7.90	−5.57	+73.7	+ 2.8	+ 7.98	−4.67	+102.8	+ 1.6	+44.15	+0.01	+ 52.7	+6.4
10.5	+ 2.33	−5.97	+76.5	− 9.9	+ 3.31	−4.89	+104.4	− 5.6	+44.16	−0.25	+ 59.1	+6.0
11.5	− 3.64	−5.36	+66.6	−21.1	− 1.58	−4.83	+ 98.8	−12.9	+43.91	−0.52	+ 65.1	+5.7
12.5	− 9.00	−3.88	+45.5	−28.7	− 6.41	−4.34	+ 85.9	−19.0	+43.39	−0.79	+ 70.8	+5.4
13.5	−12.88	−1.84	+16.8	−31.5	−10.75	−3.52	+ 66.9	−24.1	+42.60	−1.04	+ 76.2	+4.9
14.5	−14.72	+0.43	−14.7	−29.2	−14.27	−2.41	+ 42.8	−27.6	+41.56	−1.30	+ 81.1	+4.4
15.5	−14.29	+2.56	−43.9	−22.7	−16.68	−0.95	+ 15.2	−28.7	+40.26	−1.57	+ 85.5	+3.9
16.5	−11.73	+4.28	−66.6	−13.1	−17.63	+0.61	− 13.5	−27.7	+38.69	−1.82	+ 89.4	+3.4
17.5	− 7.45	+5.34	−79.7	− 1.8	−17.02	+2.25	− 41.2	−23.7	+36.87	−2.04	+ 92.8	+2.8
18.5	− 2.11	+5.64	−81.5	+ 9.6	−14.77	+3.76	− 64.9	−17.0	+34.83	−2.25	+ 95.6	+2.3
19.5	+ 3.53	+5.13	−71.9	+20.1	−11.01	+4.95	− 81.9	− 8.3	+32.58	−2.47	+ 97.9	+1.6
20.5	+ 8.66	+3.83	−51.8	+27.7	− 6.06	+5.63	− 90.2	+ 1.8	+30.11	−2.66	+ 99.5	+0.9
21.5	+12.49	+1.96	−24.1	+31.2	− 0.43	+5.65	− 88.4	+11.9	+27.45	−2.84	+100.4	+0.3
22.5	+14.45	−0.17	+ 7.1	+30.1	+ 5.22	+5.10	− 76.5	+19.8	+24.61	−3.00	+100.7	−0.3
23.5	+14.28	−2.48	+37.2	+24.4	+10.32	+4.00	− 56.7	+26.0	+21.61	−3.14	+100.4	−1.0
24.5	+11.80	−4.45	+61.6	+14.1	+14.32	+2.60	− 30.7	+29.4	+18.47	−3.26	+ 99.4	−1.7
25.5	+ 7.35	−5.68	+75.7	+ 1.7	+16.92	+1.03	− 1.3	+29.3	+15.21	−3.36	+ 97.7	−2.3
26.5	+ 1.67	−5.94	+77.4	−11.4	+17.95	−0.54	+ 28.0	+27.1	+11.85	−3.44	+ 95.4	−3.0
27.5	− 4.27	−5.23	+66.0	−22.5	+17.41	−1.96	+ 55.1	+22.9	+ 8.41	−3.50	+ 92.4	−3.7
28.5	− 9.50	−3.68	+43.5	−29.5	+15.45	−3.16	+ 78.0	+16.7	+ 4.91	−3.52	+ 88.7	−4.3
29.5	−13.18	−1.58	+14.0	−31.9	+12.29	−4.05	+ 94.7	+ 9.5	+ 1.39	−3.53	+ 84.4	−4.8
30.5	−14.76	+0.70	−17.9	−29.2	+ 8.24	−4.66	+104.2	+ 2.3	− 2.14	−3.51	+ 79.6	−5.5
31.5	−14.06	+2.80	−47.1	−22.1	+ 3.58	−4.91	+106.5	− 5.2	− 5.65	−3.47	+ 74.1	−6.0
Febr. 1.5	−11.26	+4.42	−69.2	−12.2	− 1.33	−4.80	+101.3	−12.5	− 9.12	−3.39	+ 68.1	−6.5
2.5	− 6.84	+5.40	−81.4	− 0.5	− 6.13	−4.35	+ 88.8	−18.9	−12.51	−3.29	+ 61.6	−6.9
3.5	− 1.44	+5.59	−81.9	+11.1	−10.48	−3.55	+ 69.9	−24.2	−15.80	−3.19	+ 54.7	−7.3
4.5	+ 4.15	+5.00	−70.8	+21.1	−14.03	−2.45	+ 45.7	−27.7	−18.99	−3.06	+ 47.4	−7.8
5.5	+ 9.15	+3.65	−49.7	+28.4	−16.48	−1.05	+ 18.0	−29.2	−22.05	−2.90	+ 39.6	−8.1
6.5	+12.80	+1.74	−21.3	+31.5	−17.53	+0.53	− 11.2	−28.2	−24.95	−2.71	+ 31.5	−8.3
7.5	+14.54	−0.49	+10.2	+30.0	−17.00	+2.14	− 39.4	−24.3	−27.66	−2.51	+ 23.2	−8.5
8.5	+14.05	−2.74	+40.2	+23.6	−14.86	+3.66	− 63.7	−17.9	−30.17	−2.29	+ 14.7	−8.6
9.5	+11.31		+63.8		−11.20		− 81.6		−32.46		+ 6.1	

Mittlere Zeit Greenwich	TITAN $\alpha_{tr}-\alpha_{pl}$		TITAN $\delta_{tr}-\delta_{pl}$		HYPERION $\alpha_{tr}-\alpha_{pl}$		HYPERION $\delta_{tr}-\delta_{pl}$		JAPETUS $\alpha_{tr}-\alpha_{pl}$		JAPETUS $\delta_{tr}-\delta_{pl}$	
Febr. 9.5	+11.31	−4.60	+63.8	+13.1	−11.20	+4.84	− 81.6	− 9.0	−32.46	−2.05	+ 6.1	−8.7
10.5	+ 6.71	−5.69	+76.9	+ 0.4	− 6.36	+5.54	− 90.6	+ 0.9	−34.51	−1.80	− 2.6	−8.7
11.5	+ 1.02	−5.85	+77.3	−12.7	− 0.82	+5.62	− 89.7	+11.0	−36.31	−1.55	− 11.3	−8.6
12.5	− 4.83	−5.05	+64.6	−23.5	+ 4.80	+5.08	− 78.7	+19.6	−37.86	−1.27	− 19.9	−8.5
13.5	− 9.88	−3.42	+41.1	−30.4	+ 9.88	+4.04	− 59.1	+25.8	−39.13	−0.99	− 28.4	−8.4
14.5	−13.30	−1.31	+10.7	−31.6	+13.92	+2.66	− 33.3	+29.1	−40.12	−0.71	− 36.8	−8.1
15.5	−14.61	+0.93	−20.9	−28.6	+16.58	+1.10	− 4.2	+29.6	−40.83	−0.42	− 44.9	−7.8
16.5	−13.68	+2.97	−49.5	−21.3	+17.68	−0.43	+ 25.4	+27.4	−41.25	−0.13	− 52.7	−7.4
17.5	−10.71	+4.50	−70.8	−11.1	+17.25	−1.85	+ 52.8	+23.1	−41.38	+0.17	− 60.1	−7.0
18.5	− 6.21	+5.39	−81.9	+ 0.6	+15.40	−3.04	+ 75.9	+17.2	−41.21	+0.46	− 67.1	−6.5
19.5	− 0.82	+5.47	−81.3	+12.1	+12.36	−3.94	+ 93.1	+10.4	−40.75	+0.74	− 73.6	−6.1
20.5	+ 4.65	+4.82	−69.2	+22.0	+ 8.42	−4.54	+103.5	+ 2.9	−40.01	+0.99	− 79.7	−5.5
21.5	+ 9.47	+3.42	−47.2	+28.8	+ 3.88	−4.81	+106.4	− 4.5	−39.02	+1.25	− 85.2	−4.9
22.5	+12.89	+1.49	−18.4	+31.5	− 0.93	−4.73	+101.9	−11.9	−37.77	+1.52	− 90.1	−4.3
23.5	+14.38	−0.73	+13.1	+29.3	− 5.66	−4.31	+ 90.0	−18.3	−36.25	+1.77	− 94.4	−3.6
24.5	+13.65	−2.90	+42.4	+22.6	− 9.97	−3.54	+ 71.7	−23.6	−34.48	+1.99	− 98.0	−3.0
25.5	+10.75	−4.65	+65.0	+12.0	−13.51	−2.48	+ 48.1	−27.2	−32.49	+2.21	−101.0	−2.4
26.5	+ 6.10	−5.65	+77.0	− 0.9	−15.99	−1.13	+ 20.9	−29.0	−30.28	+2.39	−103.4	−1.6
27.5	+ 0.45	−5.72	+76.1	−13.6	−17.12	+0.38	− 8.1	−28.0	−27.89	+2.56	−105.0	−0.8
28.5	− 5.27	−4.81	+62.5	−24.0	−16.74	+1.96	− 36.1	−24.7	−25.33	+2.73	−105.8	−0.1
März 1.5	−10.08	−3.18	+38.5	−30.2	−14.78	+3.46	− 60.8	−18.3	−22.60	+2.86	−105.9	+0.5
2.5	−13.26	−1.08	+ 8.3	−31.3	−11.32	+4.64	− 79.1	− 9.9	−19.74	+2.98	−105.4	+1.2
3.5	−14.34	+1.13	−23.0	−27.9	− 6.68	+5.35	− 89.0	− 0.2	−16.76	+3.07	−104.2	+1.8
4.5	−13.21	+3.08	−50.9	−20.5	− 1.33	+5.49	− 89.2	+ 9.9	−13.69	+3.15	−102.4	+2.4
5.5	−10.13	+4.52	−71.4	− 9.9	+ 4.16	+5.02	− 79.3	+18.4	−10.54	+3.21	−100.0	+3.0
6.5	− 5.61	+5.30	−81.3	+ 1.7	+ 9.18	+4.04	− 60.9	+24.9	− 7.33	+3.23	− 97.0	+3.7
7.5	− 0.31	+5.33	−79.6	+12.8	+13.22	+2.72	− 36.0	+28.4	− 4.10	+3.25	− 93.3	+4.4
8.5	+ 5.02	+4.60	−66.8	+22.3	+15.94	+1.23	− 7.6	+29.1	− 0.85	+3.25	− 88.9	+4.9
9.5	+ 9.62	+3.19	−44.5	+28.7	+17.17	−0.28	+ 21.5	+27.2	+ 2.40	+3.22	− 84.0	+5.3
10.5	+12.81	+1.27	−15.8	+31.0	+16.89	−1.65	+ 48.7	+23.2	+ 5.62	+3.18	− 78.7	+5.8
11.5	+14.08	−0.90	+15.2	+28.5	+15.24	−2.82	+ 71.9	+17.6	+ 8.80	+3.11	− 72.9	+6.3
12.5	+13.18	−2.97	+43.7	+21.4	+12.42	−3.74	+ 89.5	+11.0	+11.91	+3.03	− 66.6	+6.7
13.5	+10.21	−4.66	+65.1	+10.8	+ 8.68	−4.35	+100.5	+ 3.7	+14.94	+2.93	− 59.9	+7.0
14.5	+ 5.55	−5.55	+75.9	− 1.7	+ 4.33	−4.63	+104.2	− 3.5	+17.87	+2.81	− 52.9	+7.3
15.5	0.00	−5.53	+74.2	−14.4	− 0.30	−4.60	+100.7	−10.7	+20.68	+2.67	− 45.6	+7.5
16.5	− 5.53	−4.61	+59.8	−24.0	− 4.90	−4.23	+ 90.0	−17.0	+23.35	+2.54	− 38.1	+7.8
17.5	−10.14	−2.95	+35.8	−29.9	− 9.13	−3.54	+ 73.0	−22.4	+25.89	+2.39	− 30.3	+8.0
18.5	−13.09	−0.87	+ 5.9	−30.6	−12.67	−2.54	+ 50.6	−26.2	+28.28	+2.21	− 22.3	+8.0
19.5	−13.96	+1.25	−24.7	−26.8	−15.21	−1.27	+ 24.4	−28.0	+30.49	+2.02	− 14.3	+8.1
20.5	−12.71		−51.5		−16.48		− 3.6		+32.51		− 6.2	

Mittlere Zeit Greenwich	TITAN				HYPERION				JAPETUS			
	$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$		$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$		$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$	
März 20.5	−12.71	+3.12	−51.5	−19.2	−16.48	+0.16	− 3.6	−27.6	+32.51	+1.82	− 6.2	+8.2
21.5	− 9.59	+4.47	−70.7	− 9.0	−16.32	+1.70	− 31.2	−24.6	+34.33	+1.61	+ 2.0	+8.1
22.5	− 5.12	+5.19	−79.7	+ 2.5	−14.62	+3.15	− 55.8	−18.8	+35.94	+1.41	+ 10.1	+8.0
23.5	+ 0.07	+5.15	−77.2	+13.1	−11.47	+4.34	− 74.6	−11.0	+37.35	+1.18	+ 18.1	+7.9
24.5	+ 5.22	+4.41	−64.1	+22.3	− 7.13	+5.10	− 85.6	− 1.5	+38.53	+0.96	+ 26.0	+7.8
25.5	+ 9.63	+2.99	−41.8	+28.2	− 2.03	+5.31	− 87.1	+ 8.2	+39.49	+0.73	+ 33.8	+7.6
26.5	+12.62	+1.10	−13.6	+30.1	+ 3.28	+4.93	− 78.9	+16.7	+40.22	+0.49	+ 41.4	+7.1
27.5	+13.72	−1.01	+16.5	+27.5	+ 8.21	+4.06	− 62.2	+23.3	+40.71	+0.26	+ 48.5	+6.8
28.5	+12.71	−3.02	+44.0	+20.2	+12.27	+2.82	− 38.9	+27.1	+40.97	+0.02	+ 55.3	+6.5
29.5	+ 9.69	−4.59	+64.2	+10.0	+15.09	+1.40	− 11.8	+28.1	+40.99	−0.22	+ 61.8	+6.2
30.5	+ 5.10	−5.42	+74.2	− 2.6	+16.49	−0.05	+ 16.3	+26.8	+40.77	−0.46	+ 68.0	+5.7
31.5	− 0.32	−5.34	+71.6	−14.5	+16.44	−1.36	+ 43.1	+22.9	+40.31	−0.69	+ 73.7	+5.2
April 1.5	− 5.66	−4.40	+57.1	−23.8	+15.08	−2.54	+ 66.0	+17.9	+39.62	−0.92	+ 78.9	+4.8
2.5	−10.06	−2.74	+33.3	−29.0	+12.54	−3.44	+ 83.9	+11.7	+38.70	−1.14	+ 83.7	+4.3
3.5	−12.80	−0.77	+ 4.3	−29.8	+ 9.10	−4.09	+ 95.6	+ 4.8	+37.56	−1.36	+ 88.0	+3.7
4.5	−13.57	+1.33	−25.5	−25.7	+ 5.01	−4.43	+100.4	− 2.2	+36.20	−1.57	+ 91.7	+3.2
5.5	−12.24	+3.10	−51.2	−18.0	+ 0.58	−4.43	+ 98.2	− 9.0	+34.63	−1.76	+ 94.9	+2.5
6.5	− 9.14	+4.40	−69.2	− 8.1	− 3.85	−4.16	+ 89.2	−15.3	+32.87	−1.95	+ 97.4	+2.0
7.5	− 4.74	+5.03	−77.3	+ 2.7	− 8.01	−3.54	+ 73.9	−20.6	+30.92	−2.13	+ 99.4	+1.4
8.5	+ 0.29	+4.99	−74.6	+13.3	−11.55	−2.65	+ 53.3	−24.6	+28.79	−2.29	+100.8	+0.8
9.5	+ 5.28	+4.21	−61.3	+22.0	−14.20	−1.49	+ 28.7	−26.8	+26.50	−2.45	+101.6	+0.2
10.5	+ 9.49	+2.84	−39.3	+27.4	−15.69	−0.12	+ 1.9	−26.8	+24.05	−2.59	+101.8	−0.5
11.5	+12.33	+0.98	−11.9	+29.1	−15.81	+1.34	− 24.9	−24.4	+21.46	−2.71	+101.3	−1.1
12.5	+13.31	−1.06	+17.2	+26.3	−14.47	+2.77	− 49.3	−19.3	+18.75	−2.81	+100.2	−1.8
13.5	+12.25	−3.00	+43.5	+19.5	−11.70	+3.97	− 68.6	−12.1	+15.94	−2.90	+ 98.4	−2.3
14.5	+ 9.25	−4.48	+63.0	+ 9.0	− 7.73	+4.79	− 80.7	− 3.2	+13.04	−2.97	+ 96.1	−2.9
15.5	+ 4.77	−5.28	+72.0	− 3.1	− 2.94	+5.09	− 83.9	+ 6.0	+10.07	−3.02	+ 93.2	−3.5
16.5	− 0.51	−5.16	+68.9	−14.4	+ 2.15	+4.85	− 77.9	+14.5	+ 7.05	−3.05	+ 89.7	−4.1
17.5	− 5.67	−4.20	+54.5	−23.3	+ 7.00	+4.11	− 63.4	+21.2	+ 4.00	−3.07	+ 85.6	−4.5
18.5	− 9.87	−2.62	+31.2	−28.2	+11.11	+2.96	− 42.2	+25.3	+ 0.93	−3.06	+ 81.1	−5.1
19.5	−12.49	−0.70	+ 3.0	−28.6	+14.07	+1.65	− 16.9	+26.7	− 2.13	−3.03	+ 76.0	−5.5
20.5	−13.19	+1.37	−25.6	−24.6	+15.72	+0.28	+ 9.8	+25.9	− 5.16	−2.99	+ 70.5	−5.9
21.5	−11.82	+3.06	−50.2	−17.1	+16.00	−1.04	+ 35.7	+22.8	− 8.15	−2.93	+ 64.6	−6.2
22.5	− 8.76	+4.26	−67.3	− 7.5	+14.96	−2.17	+ 58.5	+18.2	−11.08	−2.85	+ 58.4	−6.7
23.5	− 4.50	+4.90	−74.8	+ 3.0	+12.79	−3.12	+ 76.7	+12.6	−13.93	−2.73	+ 51.7	−6.9
24.5	+ 0.40	+4.82	−71.8	+13.1	+ 9.67	−3.77	+ 89.3	+ 6.2	−16.66	−2.62	+ 44.8	−7.2
25.5	+ 5.22	+4.06	−58.7	+21.4	+ 5.90	−4.18	+ 95.5	− 0.5	−19.28	−2.47	+ 37.6	−7.4
26.5	+ 9.28	+2.72	−37.3	+26.6	+ 1.72	−4.28	+ 95.0	− 7.1	−21.75	−2.33	+ 30.2	−7.5
27.5	+12.00	+0.92	−10.7	+28.1	− 2.56	−4.09	+ 87.9	−13.2	−24.08	−2.14	+ 22.7	−7.6
28.5	+12.92		+17.4		− 6.65		+ 74.7		−26.22		+ 15.1	

Mittlere Zeit Greenwich	TITAN $\alpha_{tr}-\alpha_{pl}$		TITAN $\delta_{tr}-\delta_{pl}$		HYPERION $\alpha_{tr}-\alpha_{pl}$		HYPERION $\delta_{tr}-\delta_{pl}$		JAPETUS $\alpha_{tr}-\alpha_{pl}$		JAPETUS $\delta_{tr}-\delta_{pl}$	
	s	s	″	″	s	s	″	″	s	s	″	″
April 28.5	+12.92	−1.06	+17.4	+25.3	− 6.65	−3.59	+74.7	−18.5	−26.22	−1.97	+15.1	−7.6
29.5	+11.86	−2.95	+42.7	+18.3	−10.24	−2.80	+56.2	−22.7	−28.19	−1.78	+ 7.5	−7.6
30.5	+ 8.91	−4.38	+61.0	+ 8.3	−13.04	−1.74	+33.5	−25.3	−29.97	−1.57	− 0.1	−7.6
Mai 1.5	+ 4.53	−5.11	+69.3	− 3.2	−14.78	−0.48	+ 8.2	−25.8	−31.54	−1.35	− 7.7	−7.4
2.5	− 0.58	−4.99	+66.1	−14.0	−15.26	+0.92	−17.6	−24.0	−32.89	−1.13	−15.1	−7.3
3.5	− 5.57	−4.07	+52.1	−22.6	−14.34	+2.31	−41.6	−19.8	−34.02	−0.89	−22.4	−7.0
4.5	− 9.64	−2.52	+29.5	−27.2	−12.03	+3.55	−61.4	−13.3	−34.91	−0.66	−29.4	−6.8
5.5	−12.16	−0.60	+ 2.3	−27.5	− 8.48	+4.44	−74.7	− 5.2	−35.57	−0.43	−36.2	−6.5
6.5	−12.76	+1.29	−25.2	−23.5	− 4.04	+4.87	−79.9	+ 3.6	−36.00	−0.20	−42.7	−6.2
7.5	−11.47	+2.97	−48.7	−16.3	+ 0.83	+4.79	−76.3	+11.9	−36.20	+0.05	−48.9	−5.8
8.5	− 8.50	+4.15	−65.0	− 6.9	+ 5.62	+4.14	−64.4	+18.7	−36.15	+0.28	−54.7	−5.4
9.5	− 4.35	+4.76	−71.9	+ 3.0	+ 9.76	+3.17	−45.7	+23.2	−35.87	+0.52	−60.1	−4.9
10.5	+ 0.41	+4.68	−66.9	+12.7	+12.93	+1.95	−22.5	+25.2	−35.35	+0.74	−65.0	−4.4
11.5	+ 5.09	+3.94	−56.2	+20.7	+14.88	+0.65	+ 2.7	+24.9	−34.61	+0.96	−69.4	−3.9
12.5	+ 9.03	+2.63	−35.5	+25.6	+15.53	−0.63	+27.6	+22.5	−33.65	+1.17	−73.3	−3.5
13.5	+11.66	+0.89	− 9.9	+27.1	+14.90	−1.79	+50.1	+18.6	−32.48	+1.38	−76.8	−3.0
14.5	+12.55	−1.04	+17.2	+24.1	+13.11	−2.70	+68.7	+13.5	−31.10	+1.57	−79.8	−2.4
15.5	+11.51	−2.85	+41.3	+17.5	+10.41	−3.46	+82.2	+ 7.6	−29.53	+1.75	−82.2	−1.9
16.5	+ 8.66	−4.26	+58.8	+ 7.8	+ 6.95	−3.92	+89.8	+ 1.4	−27.78	+1.91	−84.1	−1.3
17.5	+ 4.40	−4.96	+66.6	− 3.1	+ 3.03	−4.11	+91.2	− 4.9	−25.87	+2.06	−85.4	−0.8
18.5	− 0.56	−4.85	+63.5	−13.7	− 1.08	−4.03	+86.3	−10.8	−23.81	+2.20	−86.2	−0.3
19.5	− 5.41		+49.8		− 5.11		+75.5		−21.61		−86.5	
Sept. 30.5	− 5.48	+4.43	−55.0	+ 1.8	−13.02	+2.28	−37.4	−13.9	− 6.46	−2.77	+27.2	−1.9
Okt. 1.5	− 1.05	+4.60	−53.2	+ 9.3	−10.74	+3.48	−51.3	− 8.3	− 9.23	−2.72	+25.3	−2.1
2.5	+ 3.55	+4.12	−43.9	+15.6	− 7.26	+4.28	−59.6	− 1.7	−11.95	−2.66	+23.2	−2.2
3.5	+ 7.67	+2.99	−28.3	+19.8	− 2.98	+4.62	−61.3	+ 4.9	−14.61	−2.56	+21.0	−2.3
4.5	+10.66	+1.39	− 8.5	+21.0	+ 1.64	+4.46	−56.4	+10.8	−17.17	−2.45	+18.7	−2.4
5.5	+12.05	−0.49	+12.5	+19.0	+ 6.10	+3.91	−45.6	+15.1	−19.62	−2.33	+16.3	−2.4
6.5	+11.56	−2.35	+31.5	+14.0	+10.01	+3.01	−30.5	+18.0	−21.95	−2.20	+13.9	−2.5
7.5	+ 9.21	−3.87	+45.5	+ 6.5	+13.02	+1.94	−12.5	+19.0	−24.15	−2.05	+11.4	−2.6
8.5	+ 5.34	−4.77	+52.0	− 2.1	+14.96	+0.80	+ 6.5	+18.2	−26.20	−1.88	+ 8.8	−2.5
9.5	+ 0.57	−4.88	+49.9	−10.4	+15.76	−0.36	+24.7	+16.9	−28.08	−1.70	+ 6.3	−2.5
10.5	− 4.31	−4.21	+39.5	−16.9	+15.40	−1.44	+41.6	+13.9	−29.78	−1.50	+ 3.8	−2.6
11.5	− 8.52	−2.86	+22.6	−20.4	+13.96	−2.38	+55.5	+10.0	−31.28	−1.29	+ 1.2	−2.6
12.5	−11.38	−1.13	+ 2.2	−20.8	+11.58	−3.17	+65.5	+ 5.8	−32.57	−1.09	− 1.4	−2.5
13.5	−12.51	+0.70	−18.6	−18.0	+ 8.41	−3.74	+71.3	+ 0.8	−33.66	−0.87	− 3.9	−2.4
14.5	−11.81	+2.41	−36.6	−12.7	+ 4.67	−4.08	+72.1	− 4.2	−34.53	−0.65	− 6.3	−2.4
15.5	− 9.40		−49.3		+ 0.59		+67.9		−35.18		− 8.7	

Saturnstrabanten 1917

Mittlere Zeit Greenwich	TITAN $\alpha_{tr}-\alpha_{pl}$		TITAN $\delta_{tr}-\delta_{pl}$		HYPERION $\alpha_{tr}-\alpha_{pl}$		HYPERION $\delta_{tr}-\delta_{pl}$		JAPETUS $\alpha_{tr}-\alpha_{pl}$		JAPETUS $\delta_{tr}-\delta_{pl}$	
	s	s	″	″	s	s	″	″	s	s	″	″
Okt. 15.5	− 9.40	+3.75	−49.3	− 5.8	+ 0.59	−4.13	+67.9	− 8.8	−35.18	−0.43	− 8.7	−2.3
16.5	− 5.65	+4.55	−55.1	+ 2.0	− 3.54	−3.87	+59.1	−13.3	−35.61	−0.19	−11.0	−2.2
17.5	− 1.10	+4.71	−53.1	+ 9.4	− 7.41	−3.30	+45.8	−17.1	−35.80	+0.04	−13.2	−2.1
18.5	+ 3.61	+4.22	−43.7	+15.7	−10.71	−2.37	+28.7	−19.5	−35.76	+0.28	−15.3	−1.9
19.5	+ 7.83	+3.07	−28.0	+19.9	−13.08	−1.17	+ 9.2	−20.3	−35.48	+0.51	−17.2	−1.9
20.5	+10.90	+1.44	− 8.1	+21.1	−14.25	+0.25	−11.1	−19.3	−34.97	+0.72	−19.1	−1.8
21.5	+12.34	−0.50	+13.0	+19.1	−14.00	+1.73	−30.4	−16.0	−34.25	+0.94	−20.9	−1.6
22.5	+11.84	−2.42	+32.1	+13.8	−12.27	+3.08	−46.4	−10.9	−33.31	+1.16	−22.5	−1.5
23.5	+ 9.42	−3.98	+45.9	+ 6.4	− 9.19	+4.11	−57.3	− 4.6	−32.15	+1.37	−24.0	−1.3
24.5	+ 5.44	−4.90	+52.3	− 2.3	− 5.08	+4.68	−61.9	+ 2.2	−30.78	+1.56	−25.3	−1.1
25.5	+ 0.54	−5.01	+50.0	−10.7	− 0.40	+4.74	−59.7	+ 8.5	−29.22	+1.75	−26.4	−1.0
26.5	− 4.47	−4.30	+39.3	−17.1	+ 4.34	+4.34	−51.2	+13.6	−27.47	+1.92	−27.4	−0.8
27.5	− 8.77	−2.94	+22.2	−20.7	+ 8.68	+3.56	−37.6	+17.0	−25.55	+2.08	−28.2	−0.7
28.5	−11.71	−1.14	+ 1.5	−20.8	+12.24	+2.53	−20.6	+18.9	−23.47	+2.23	−28.9	−0.5
29.5	−12.85	+0.74	−19.3	−18.1	+14.77	+1.37	− 1.7	+19.1	−21.24	+2.37	−29.4	−0.3
30.5	−12.11	+2.49	−37.4	−12.7	+16.14	+0.18	+17.4	+17.8	−18.87	+2.50	−29.7	−0.1
31.5	− 9.62	+3.87	−50.1	− 5.6	+16.32	−0.97	+35.2	+15.3	−16.37	+2.60	−29.8	0.0
Nov. 1.5	− 5.75	+4.68	−55.7	+ 2.1	+15.35	−2.05	+50.5	+12.0	−13.77	+2.69	−29.8	+0.2
2.5	− 1.07	+4.83	−53.6	+ 9.7	+13.30	−2.94	+62.5	+ 7.9	−11.08	+2.76	−29.6	+0.3
3.5	+ 3.76	+4.35	−43.9	+16.1	+10.36	−3.62	+70.4	+ 3.0	− 8.32	+2.82	−29.3	+0.5
4.5	+ 8.11	+3.13	−27.8	+20.3	+ 6.74	−4.10	+73.4	− 1.9	− 5.50	+2.87	−28.8	+0.6
5.5	+11.24	+1.45	− 7.5	+21.4	+ 2.64	−4.32	+71.5	− 6.9	− 2.63	+2.90	−28.2	+0.8
6.5	+12.69	−0.56	+13.9	+19.1	− 1.68	−4.20	+64.6	−11.8	+ 0.27	+2.90	−27.4	+0.9
7.5	+12.13	−2.52	+33.0	+14.0	− 5.88	−3.76	+52.8	−15.9	+ 3.17	+2.89	−26.5	+1.0
8.5	+ 9.61	−4.12	+47.0	+ 6.1	− 9.64	−2.94	+36.9	−19.1	+ 6.06	+2.87	−25.5	+1.2
9.5	+ 5.49	−5.06	+53.1	− 2.5	−12.58	−1.81	+17.8	−20.6	+ 8.93	+2.84	−24.3	+1.3
10.5	+ 0.43	−5.15	+50.6	−11.2	−14.39	−0.40	− 2.8	−20.5	+11.77	+2.79	−23.0	+1.5
11.5	− 4.72	−4.41	+39.4	−17.5	−14.79	+1.13	−23.3	−18.1	+14.56	+2.71	−21.5	+1.6
12.5	− 9.13	−2.97	+21.9	−21.0	−13.66	+2.65	−41.4	−13.5	+17.27	+2.62	−19.9	+1.6
13.5	−12.10	−1.13	+ 0.9	−21.3	−11.01	+3.88	−54.9	− 7.5	+19.89	+2.52	−18.3	+1.7
14.5	−13.23	+0.81	−20.4	−18.3	− 7.13	+4.67	−62.4	− 0.6	+22.41	+2.40	−16.6	+1.9
15.5	−12.42	+2.62	−38.7	−12.8	− 2.46	+4.96	−63.0	+ 6.2	+24.81	+2.27	−14.7	+2.0
16.5	− 9.80	+3.99	−51.5	− 5.5	+ 2.50	+4.74	−56.8	+11.9	+27.08	+2.12	−12.7	+2.0
17.5	− 5.81	+4.87	−57.0	+ 2.5	+ 7.24	+4.07	−44.9	+16.2	+29.20	+1.96	−10.7	+2.1
18.5	− 0.94	+5.00	−54.5	+10.3	+11.31	+3.11	−28.7	+18.8	+31.16	+1.80	− 8.6	+2.1
19.5	+ 4.06	+4.42	−44.2	+16.6	+14.42	+1.95	− 9.9	+19.7	+32.96	+1.62	− 6.5	+2.1
20.5	+ 8.48	+3.18	−27.6	+20.8	+16.37	+0.71	+ 9.8	+19.0	+34.58	+1.42	− 4.4	+2.2
21.5	+11.66	+1.42	− 6.8	+21.9	+17.08	−0.52	+28.8	+17.1	+36.00	+1.22	− 2.2	+2.2
22.5	+13.08	−0.66	+15.1	+19.5	+16.56	−1.66	+45.9	+13.9	+37.22	+1.02	0.0	+2.3
23.5	+12.42		+34.6		+14.90		+59.8		+38.24		+ 2.3	

Mittlere Zeit Greenwich	TITAN				HYPERION				JAPETUS			
	$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$		$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$		$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$	
	s	s	"	"	s	s	"	"	s	s	"	"
Nov. 23.5	+12.42	−2.68	+34.6	+14.1	+14.90	−2.67	+59.8	+10.0	+38.24	+0.79	+ 2.3	+2.2
24.5	+ 9.74	−4.31	+48.7	+ 6.0	+12.23	−3.51	+69.8	+ 5.3	+39.03	+0.57	+ 4.5	+2.2
25.5	+ 5.43	−5.24	+54.7	− 3.1	+ 8.72	−4.12	+75.1	+ 0.3	+39.60	+0.33	+ 6.7	+2.2
26.5	+ 0.19	−5.28	+51.6	−11.8	+ 4.60	−4.45	+75.4	− 5.0	+39.93	+0.10	+ 8.9	+2.3
27.5	− 5.09	−4.49	+39.8	−18.2	+ 0.15	−4.48	+70.4	−10.2	+40.03	−0.14	+11.2	+2.1
28.5	− 9.58	−2.98	+21.6	−21.8	− 4.33	−4.16	+60.2	−14.9	+39.89	−0.38	+13.3	+2.0
29.5	−12.56	−1.07	− 0.2	−21.8	− 8.49	−3.45	+45.3	−18.5	+39.51	−0.62	+15.3	+2.0
30.5	−13.63	+0.95	−22.0	−18.7	−11.94	−2.40	+26.8	−21.2	+38.89	−0.84	+17.3	+1.9
Dez. 1.5	−12.68	+2.78	−40.7	−12.9	−14.34	−1.02	+ 5.6	−21.7	+38.05	−1.08	+19.2	+1.8
2.5	− 9.90	+4.21	−53.6	− 5.2	−15.36	+0.55	−16.1	−20.1	+36.97	−1.33	+21.0	+1.7
3.5	− 5.69	+5.01	−58.8	+ 2.9	−14.81	+2.17	−36.2	−16.2	+35.64	−1.55	+22.7	+1.6
4.5	− 0.68	+5.13	−55.9	+11.0	−12.64	+3.60	−52.4	−10.5	+34.09	−1.78	+24.3	+1.5
5.5	+ 4.45	+4.51	−44.9	+17.4	− 9.04	+4.61	−62.9	− 3.4	+32.31	−1.98	+25.8	+1.4
6.5	+ 8.96	+3.18	−27.5	+21.7	− 4.43	+5.11	−66.3	+ 3.8	+30.33	−2.18	+27.2	+1.2
7.5	+12.14	+1.33	− 5.8	+22.5	+ 0.68	+5.06	−62.5	+10.2	+28.15	−2.37	+28.4	+1.0
8.5	+13.47	−0.80	+16.7	+20.1	+ 5.74	+4.54	−52.3	+15.4	+25.78	−2.54	+29.4	+0.9
9.5	+12.67	−2.89	+36.8	+14.2	+10.28	+3.63	−36.9	+18.7	+23.24	−2.71	+30.3	+0.6
10.5	+ 9.78	−4.52	+51.0	+ 5.6	+13.91	+2.50	−18.2	+20.4	+20.53	−2.85	+30.9	+0.4
11.5	+ 5.26	−5.42	+56.6	− 3.6	+16.41	+1.21	+ 2.2	+20.4	+17.68	−2.98	+31.3	+0.2
12.5	− 0.16	−5.42	+53.0	−12.7	+17.62	−0.06	+22.6	+18.8	+14.70	−3.09	+31.5	0.0
13.5	− 5.58	−4.51	+40.3	−19.2	+17.56	−1.29	+41.4	+16.1	+11.61	−3.18	+31.5	−0.2
14.5	−10.09	−2.95	+21.1	−22.7	+16.27	−2.41	+57.5	+12.1	+ 8.43	−3.24	+31.3	−0.4
15.5	−13.04	−0.96	− 1.6	−22.5	+13.86	−3.36	+69.6	+ 7.6	+ 5.19	−3.29	+30.9	−0.6
16.5	−14.00	+1.13	−24.1	−19.1	+10.50	−4.08	+77.2	+ 2.4	+ 1.90	−3.32	+30.3	−0.8
17.5	−12.87	+2.99	−43.2	−13.0	+ 6.42	−4.54	+79.6	− 3.2	− 1.42	−3.32	+29.5	−1.0
18.5	− 9.88	+4.41	−56.2	− 4.9	+ 1.88	−4.69	+76.4	− 8.6	− 4.74	−3.30	+28.5	−1.3
19.5	− 5.47	+5.19	−61.1	+ 3.6	− 2.81	−4.48	+67.8	−13.9	− 8.04	−3.25	+27.2	−1.5
20.5	− 0.28	+5.24	−57.5	+11.8	− 7.29	−3.90	+53.9	−18.2	−11.29	−3.18	+25.7	−1.7
21.5	+ 4.96	+4.54	−45.7	+18.6	−11.19	−2.92	+35.7	−21.5	−14.47	−3.09	+24.0	−1.9
22.5	+ 9.50	+3.11	−27.1	+22.6	−14.11	−1.59	+14.2	−22.9	−17.56	−2.97	+22.1	−2.0
23.5	+12.61	+1.21	− 4.5	+23.5	−15.70	+0.01	− 8.7	−22.0	−20.53	−2.84	+20.1	−2.2
24.5	+13.82	−0.98	+19.0	+20.5	−15.69	+1.68	−30.7	−18.9	−23.37	−2.69	+17.9	−2.4
25.5	+12.84	−3.14	+39.5	+14.2	−14.01	+3.26	−49.6	−13.4	−26.06	−2.51	+15.5	−2.5
26.5	+ 9.70	−4.76	+53.7	+ 5.3	−10.75	+4.47	−63.0	− 6.3	−28.57	−2.32	+13.0	−2.7
27.5	+ 4.94	−5.59	+59.0	− 4.6	− 6.28	+5.19	−69.3	+ 1.2	−30.89	−2.10	+10.3	−2.9
28.5	− 0.65	−5.50	+54.4	−13.6	− 1.09	+5.31	−68.1	+ 8.4	−32.99	−1.85	+ 7.4	−3.0
29.5	− 6.15	−4.52	+40.8	−20.5	+ 4.22	+4.92	−59.7	+14.5	−34.84	−1.58	+ 4.4	−2.9
30.5	−10.67	−2.84	+20.3	−23.7	+ 9.14	+4.09	−45.2	+18.6	−36.42	−1.29	+ 1.5	−3.0
31.5	−13.51		− 3.4		+13.23		−26.6		−37.71		− 1.5	

Östliche Elongationen

MIMAS

	h		h		h		h		h
Jan. 1	19.0	Febr. 14	3.1	März 29	11.6	Mai 11	20.2	Nov. 3	4.3
2	17.6	15	1.8	30	10.2	12	18.9	4	2.9
3	16.2	16	0.4	31	8.9	13	17.5	5	1.6
4	14.8	16	23.0	April 1	7.5	14	16.1	6	0.2
5	13.4	17	21.6	2	6.1	15	14.7	6	22.8
6	12.1	18	20.2	3	4.7	16	13.4	7	21.4
7	10.7	19	18.8	4	3.3	17	12.0	8	20.0
8	9.3	20	17.4	5	1.9	18	10.6	9	18.6
9	7.9	21	16.1	6	0.6	19	9.2	10	17.3
10	6.5	22	14.7	6	23.2			11	15.9
11	5.1	23	13.3	7	21.8	Sept. 30	6.0	12	14.5
12	3.7	24	11.9	8	20.4	Okt. 1	4.6	13	13.1
13	2.3	25	10.6	9	19.0	2	3.2	14	11.7
14	1.0	26	9.2	10	17.7	3	1.8	15	10.3
14	23.6	27	7.8	11	16.3	4	0.5	16	9.0
15	22.2	28	6.4	12	14.9	4	23.1	17	7.6
16	20.8	März 1	5.1	13	13.5	5	21.7	18	6.2
17	19.4	2	3.7	14	12.2	6	20.3	19	4.8
18	18.0	3	2.3	15	10.8	7	19.0	20	3.4
19	16.6	4	0.9	16	9.4	8	17.6	21	2.1
20	15.2	4	23.6	17	8.0	9	16.2	22	0.7
21	13.8	5	22.2	18	6.7	10	14.8	22	23.3
22	12.5	6	20.8	19	5.3	11	13.5	23	21.9
23	11.1	7	19.4	20	3.9	12	12.1	24	20.5
24	9.7	8	18.0	21	2.5	13	10.7	25	19.1
25	8.3	9	16.7	22	1.2	14	9.3	26	17.8
26	6.9	10	15.3	22	23.8	15	8.0	27	16.4
27	5.5	11	13.9	23	22.4	16	6.6	28	15.0
28	4.1	12	12.5	24	21.0	17	5.2	29	13.6
29	2.7	13	11.1	25	19.6	18	3.8	30	12.2
30	1.4	14	9.7	26	18.3	19	2.4	Dez. 1	10.8
31	0.0	15	8.4	27	16.9	20	1.1	2	9.5
31	22.6	16	7.0	28	15.5	20	23.7	3	8.1
Febr. 1	21.2	17	5.6	29	14.1	21	22.3	4	6.7
2	19.8	18	4.2	30	12.8	22	20.9	5	5.3
3	18.4	19	2.8	Mai 1	11.4	23	19.5	6	3.9
4	17.0	20	1.4	2	10.0	24	18.1	7	2.6
5	15.6	21	0.1	3	8.6	25	16.8	8	1.2
6	14.2	21	22.7	4	7.3	26	15.4	8	23.8
7	12.9	22	21.3	5	5.9	27	14.0	9	22.4
8	11.5	23	19.9	6	4.5	28	12.6	10	21.0
9	10.1	24	18.5	7	3.1	29	11.2	11	19.6
10	8.7	25	17.2	8	1.8	30	9.8	12	18.3
11	7.3	26	15.8	9	0.4	31	8.5	13	16.9
12	5.9	27	14.4	9	23.0	Nov. 1	7.1	14	15.5
13	4.5	28	13.0	10	21.6	2	5.7	15	14.1

Östliche Elongationen

MIMAS	h	ENCELADUS	h	ENCELADUS	h	ENCELADUS	h	ENCELADUS	h
Dez. 16	12.7	Febr. 8	7.7	April 12	8.4	Okt. 24	0.0	Dez. 26	0.6
17	11.3	9	16.6	13	17.3	25	8.9	27	9.4
18	10.0	11	1.5	15	2.2	26	17.7	28	18.3
19	8.6	12	10.4	16	11.1	28	2.6	30	3.1
20	7.2	13	19.3	17	20.0	29	11.5	31	12.0
21	5.8	15	4.1	19	4.9	30	20.4		
22	4.4	16	13.0	20	13.8	Nov. 1	5.3	TETHYS	h
23	3.0	17	21.8	21	22.7	2	14.2	Jan. 1	4.2
24	1.6	19	6.7	23	7.6	3	23.1	3	1.5
25	0.2	20	15.6	24	16.5	5	8.0	4	22.8
25	22.8	22	0.5	26	1.4	6	16.8	6	20.1
26	21.4	23	9.4	27	10.3	8	1.7	8	17.4
27	20.0	24	18.2	28	19.2	9	10.6	10	14.7
28	18.6	26	3.1	30	4.1	10	19.5	12	11.9
29	17.3	27	12.0	Mai 1	13.0	12	4.4	14	9.2
30	15.9	28	20.9	2	21.8	13	13.3	16	6.5
31	14.5	März 2	5.8	4	6.7	14	22.1	18	3.8
ENCELADUS	h	3	14.7	5	15.6	16	7.0	20	1.1
		4	23.5	7	0.5	17	15.9	21	22.4
Jan. 2	8.0	6	8.4	8	9.4	19	0.8	23	19.7
3	16.8	7	17.3	9	18.3	20	9.7	25	17.0
5	1.7	9	2.2	11	3.2	21	18.6	27	14.2
6	10.6	10	11.1	12	12.1	23	3.4	29	11.5
7	19.4	11	19.9	13	21.0	24	12.3	31	8.8
9	4.3	13	4.8	15	5.9	25	21.2	Febr. 2	6.1
10	13.2	14	13.7	16	14.8	27	6.1	4	3.4
11	22.1	15	22.6	17	23.7	28	15.0	6	0.7
13	7.0	17	7.5	19	8.5	29	23.9	7	22.0
14	15.9	18	16.4			Dez. 1	8.7	9	19.3
16	0.7	20	1.2	Sept. 30	16.7	2	17.6	11	16.6
17	9.6	21	10.1	Okt. 2	1.6	4	2.5	13	13.8
18	18.5	22	19.0	3	10.5	5	11.4	15	11.1
20	3.4	24	3.9	4	19.4	6	20.3	17	8.4
21	12.3	25	12.8	6	4.3	8	5.2	19	5.7
22	21.1	26	21.7	7	13.2	9	14.0	21	3.0
24	6.0	28	6.6	8	22.1	10	22.9	23	0.3
25	14.9	29	15.5	10	7.0	12	7.8	24	21.6
26	23.8	31	0.4	11	15.9	13	16.7	26	18.9
28	8.6	April 1	9.2	13	0.8	15	1.6	28	16.2
29	17.5	2	18.1	14	9.7	16	10.5	März 2	13.5
31	2.4	4	3.0	15	18.6	17	19.3	4	10.8
Febr. 1	11.3	5	11.9	17	3.5	19	4.2	6	8.1
2	20.2	6	20.8	18	12.4	20	13.1	8	5.4
4	5.1	8	5.7	19	21.3	21	22.0	10	2.7
5	13.9	9	14.6	21	6.2	23	6.8	12	0.0
6	22.8	10	23.5	22	15.1	24	15.7	13	21.3

Östliche Elongationen

TETHYS

		h
März	15	18.7
	17	16.0
	19	13.3
	21	10.6
	23	7.9
	25	5.2
	27	2.5
	28	23.8
	30	21.1
April	1	18.4
	3	15.7
	5	13.0
	7	10.3
	9	7.6
	11	4.9
	13	2.3
	14	23.6
	16	21.0
	18	18.3
	20	15.6
	22	13.0
	24	10.3
	26	7.6
	28	4.9
	30	2.3
Mai	1	23.6
	3	20.9
	5	18.2
	7	15.6
	9	12.9
	11	10.2
	13	7.5
	15	4.9
	17	2.2
	18	23.5
Sept.	30	2.3
Okt.	1	23.6
	3	20.9
	5	18.3
	7	15.6
	9	12.9
	11	10.2
	13	7.6
	15	4.9
	17	2.2

TETHYS

		h
Okt.	18	23.5
	20	20.8
	22	18.2
	24	15.5
	26	12.8
	28	10.1
	30	7.5
Nov.	1	4.8
	3	2.1
	4	23.4
	6	20.7
	8	18.0
	10	15.3
	12	12.6
	14	9.9
	16	7.2
	18	4.5
	20	1.8
	21	23.1
	23	20.4
	25	17.7
	27	15.1
	29	12.4
Dez.	1	9.7
	3	7.0
	5	4.3
	7	1.6
	8	22.9
	10	20.2
	12	17.5
	14	14.8
	16	12.1
	18	9.4
	20	6.7
	22	4.0
	24	1.3
	25	22.6
	27	19.9
	29	17.1
	31	14.4

DIONE

		h
Jan.	1	6.4
	4	0.0
	6	17.6
	9	11.3

DIONE

		h
Jan.	12	4.9
	14	22.5
	17	16.2
	20	9.8
	23	3.4
	25	21.1
	28	14.7
	31	8.4
Febr.	3	2.0
	5	19.7
	8	13.3
	11	7.0
	14	0.6
	16	18.3
	19	11.9
	22	5.6
	24	23.3
	27	16.9
März	2	10.6
	5	4.3
	7	22.0
	10	15.7
	13	9.4
	16	3.0
	18	20.7
	21	14.4
	24	8.1
	27	1.8
	29	19.5
April	1	13.1
	4	6.8
	7	0.5
	9	18.2
	12	11.9
	15	5.6
	17	23.3
	20	17.1
	23	10.8
	26	4.5
	28	22.2
Mai	1	15.9
	4	9.6
	7	3.4
	9	21.1
	12	14.8
	15	8.5

DIONE

		h
Mai	18	2.3
Okt.	2	1.5
	4	19.2
	7	12.9
	10	6.6
	13	0.4
	15	18.1
	18	11.8
	21	5.5
	23	23.2
	26	16.9
	29	10.7
Nov.	1	4.4
	3	22.1
	6	15.8
	9	9.5
	12	3.1
	14	20.8
	17	14.5
	20	8.2
	23	1.9
	25	19.6
	28	13.2
Dez.	1	6.9
	4	0.6
	6	18.3
	9	12.0
	12	5.7
	14	23.3
	17	17.0
	20	10.7
	23	4.3
	25	22.0
	28	15.6
	31	9.3

RHEA

		h
Jan.	3	23.9
	8	12.2
	13	0.5
	17	12.8
	22	1.1
	26	13.4
	31	1.7
Febr.	4	14.1

RHEA

		h
Febr.	9	2.4
	13	14.7
	18	3.1
	22	15.4
	27	3.8
März	3	16.1
	8	4.5
	12	16.9
	17	5.3
	21	17.7
	26	6.1
	30	18.6
April	4	7.0
	8	19.5
	13	8.0
	17	20.5
	22	9.0
	26	21.5
Mai	1	10.0
	5	22.5
	10	11.0
	14	23.6
	19	12.1
Okt.	2	5.4
	6	18.0
	11	6.5
	15	19.0
	20	7.5
	24	20.0
	29	8.4
Nov.	2	20.9
	7	9.4
	11	21.8
	16	10.3
	20	22.7
	25	11.1
	29	23.5
Dez.	4	11.9
	9	0.3
	13	12.7
	18	1.1
	22	13.4
	27	1.8
	31	14.1

Elongationen und Konjunktionen

TITAN

		h				h				h	
Jan.	3	3.7	Ob. Konj.	März	23	15.9	Ob. Konj.	Okt.	17	20.9	Ob. Konj.
	7	5.7	Östl. El.		27	18.6	Östl. El.		21	22.4	Östl. El.
	11	1.1	Unt. Konj.		31	14.6	Unt. Konj.		25	17.7	Unt. Konj.
	14	21.6	Westl. El.	April	4	11.2	Westl. El.		29	15.9	Westl. El.
	19	0.9	Ob. Konj.		8	14.8	Ob. Konj.	Nov.	2	20.5	Ob. Konj.
	23	3.0	Östl. El.		12	17.7	Östl. El.		6	21.8	Östl. El.
	26	22.4	Unt. Konj.		16	13.7	Unt. Konj.		10	17.0	Unt. Konj.
	30	18.9	Westl. El.		20	10.5	Westl. El.		14	15.2	Westl. El.
Febr.	3	22.1	Ob. Konj.		24	14.3	Ob. Konj.		18	19.7	Ob. Konj.
	8	0.4	Östl. El.		28	17.2	Östl. El.		22	20.8	Östl. El.
	11	19.9	Unt. Konj.	Mai	2	13.3	Unt. Konj.		26	15.9	Unt. Konj.
	15	16.3	Westl. El.		6	10.2	Westl. El.		30	13.9	Westl. El.
	19	19.6	Ob. Konj.		10	14.2	Ob. Konj.	Dez.	4	18.3	Ob. Konj.
	23	22.0	Östl. El.		14	17.2	Östl. El.		8	19.4	Östl. El.
	27	17.7	Unt. Konj.		18	13.3	Unt. Konj.		12	14.3	Unt. Konj.
März	3	14.1	Westl. El.						16	12.2	Westl. El.
	7	17.5	Ob. Konj.	Okt.	1	20.9	Ob. Konj.		20	16.4	Ob. Konj.
	11	20.1	Östl. El.		5	22.5	Östl. El.		24	17.4	Östl. El.
	15	15.9	Unt. Konj.		9	18.0	Unt. Konj.		28	12.3	Unt. Konj.
	19	12.4	Westl. El.		13	16.2	Westl. El.				

HYPERION

		h				h				h	
Jan.	5	12.4	Östl. El.	März	26	1.5	Ob. Konj.	Okt.	21	3.9	Westl. El.
	11	9.3	Unt. Konj.		30	22.3	Östl. El.		25	17.7	Ob. Konj.
	17	1.5	Westl. El.	April	5	20.6	Unt. Konj.		31	1.4	Östl. El.
	21	18.0	Ob. Konj.		11	13.6	Westl. El.	Nov.	6	6.7	Unt. Konj.
	26	13.9	Östl. El.		16	6.2	Ob. Konj.		11	14.0	Westl. El.
Febr.	1	10.8	Unt. Konj.		21	3.9	Östl. El.		16	3.5	Ob. Konj.
	7	3.0	Westl. El.		27	3.1	Unt. Konj.		21	11.6	Östl. El.
	11	19.7	Ob. Konj.	Mai	2	19.7	Westl. El.		27	16.8	Unt. Konj.
	16	15.7	Östl. El.		7	12.3	Ob. Konj.	Dez.	2	23.1	Westl. El.
	22	12.7	Unt. Konj.		12	10.8	Östl. El.		7	12.3	Ob. Konj.
	28	5.3	Westl. El.		18	11.2	Unt. Konj.		12	20.8	Östl. El.
März	4	22.0	Ob. Konj.						19	1.6	Unt. Konj.
	9	18.4	Östl. El.	Okt.	4	7.3	Ob. Konj.		24	7.4	Westl. El.
	15	15.8	Unt. Konj.		9	14.2	Östl. El.		28	20.5	Ob. Konj.
	21	8.7	Westl. El.		15	19.7	Unt. Konj.				

JAPETUS

		h				h				h	
Jan.	10	8.5	Östl. El.	März	29	18.9	Östl. El.	Okt.	17	10.2	Westl. El.
Jan.	30	2.6	Unt. Konj.	April	19	1.3	Unt. Konj.	Nov.	6	11.4	Ob. Konj.
Febr.	17	16.8	Westl. El.	Mai	8	3.7	Westl. El.	Nov.	27	10.3	Östl. El.
März	9	0.5	Ob. Konj.					Dez.	17	3.2	Unt. Konj.

Konstellationen 1917

	h	
Jan.		
1	10	♃ ☌ ☾
2	15	☿ gr. östl. El. 19° 22′
8	17	♄ ☌ ☾
11	20	☿ im Perihel
17	7	♄ ☍ ☉
18	18	☿ untere ☌ ☉
21	4	♀ ☌ ☾
22	6	☿ ☌ ☾
23	11	♂ ☌ ☾
23	13	♆ ☍ ☉
28	20	♃ ☌ ☾
30	9	☿ ☌ ♀, ☿ 2° 53′ N.
Febr.		
4	19	♄ ☌ ☾
8	12	♅ ☌ ☉
11	21	☿ gr. westl. El. 26° 2′
19	13	☿ ☌ ☾
20	4	♀ ☌ ☾
20	6	♂ im Perihel
21	12	♂ ☌ ☾
24	20	☿ im Aphel
25	12	♃ ☌ ☾
28	10	♂ ☌ ☉
März		
3	11	♀ im Aphel
3	22	♄ ☌ ☾
18	10	☿ ☌ ♀, ☿ 0° 44′ S.
22	5	♀ ☌ ☾
22	9	☿ ☌ ☾
22	12	♂ ☌ ☾
23	20	☿ ☌ ♂, ☿ 0° 56′ S.
25	7	♃ ☌ ☾
29	5	☿ obere ☌ ☉
30	20	♀ ☌ ♂, ♀ 0° 39′ S.
31	4	♄ ☌ ☾
April		
9	19	☿ im Perihel
16	8	☿ ☌ ♃, ☿ 3° 0′ N.
20	10	♂ ☌ ☾
21	4	♀ ☌ ☾
22	4	♃ ☌ ☾
22	16	☿ ☌ ☾
24	8	☿ gr. östl. El. 20° 21′

	h	
April		
25	21	♀ obere ☌ ☉
27	14	♄ ☌ ☾
Mai		
5	14	♀ ☌ ♃, ♀ 0° 16′ N.
8	23	♃ ☌ ☉
13	7	☿ ☌ ♀, ☿ 0° 24′ N.
16	8	☿ untere ☌ ☉
19	7	♂ ☌ ☾
20	0	♃ ☌ ☾
20	4	☿ ☌ ☾
21	3	♀ ☌ ☾
23	19	☿ im Aphel
24	9	☿ ☌ ♃, ☿ 2° 6′ S.
25	3	♄ ☌ ☾
Juni		
8	0	♂ ☌ ♃, ♂ 0° 41′ N.
11	11	☿ gr. westl. El. 23° 31′
16	18	♃ ☌ ☾
17	2	♂ ☌ ☾
17	6	☿ ☌ ☾
20	9	♀ ☌ ☾
21	17	♄ ☌ ☾
23	19	♀ im Perihel
Juli		
4	12	♀ ☌ ♄, ♀ 1° 4′ N.
6	18	☿ im Perihel
12	5	☿ obere ☌ ☉
14	10	♃ ☌ ☾
15	21	♂ ☌ ☾
18	9	☿ ☌ ♄, ☿ 1° 25′ N.
19	7	♄ ☌ ☾
19	11	☿ ☌ ☾
20	21	♀ ☌ ☾
27	8	♄ ☌ ☉
27	19	♆ ☌ ☉
Aug.		
1	9	☿ ☌ α Leonis, ☿ 0° 37′ N.
11	0	♃ ☌ ☾
13	16	♂ ☌ ☾
14	16	♅ ☍ ☉
15	20	♄ ☌ ☾
19	18	☿ im Aphel
19	21	☿ ☌ ☾

	h	
Aug.		
20	8	♀ ☌ ☾
22	16	☿ gr. östl. El. 27° 22′
Sept.		
7	12	♃ ☌ ☾
11	12	♂ ☌ ☾
12	9	♄ ☌ ☾
16	9	☿ ☌ ☾
18	11	☿ untere ☌ ☉
19	10	♀ ☌ ☾
Okt.		
1	0	♂ ☌ ♄, ♂ 0° 40′ N.
2	18	☿ im Perihel
4	3	☿ gr. westl. El. 17° 55′
4	21	♃ ☌ ☾
9	21	♄ ☌ ☾
10	8	♂ ☌ ☾
12	17	♀ ☌ δ Scorpii, ♀ 0° 4′ N.
14	4	♀ im Aphel
14	17	☿ ☌ ☾
19	8	♀ ☌ ☾
Nov.		
1	4	♃ ☌ ☾
3	6	☿ obere ☌ ☉
6	9	♄ ☌ ☾
8	2	♂ ☌ ☾
14	21	☿ ☌ ☾
15	17	☿ im Aphel
16	5	☿ ☌ δ Scorpii, ☿ 0° 51′ N.
16	23	♀ ☌ σ Sagitt., ♀ 0° 23′ N.
18	3	♀ ☌ ☾
28	8	♃ ☌ ☾
28	17	♃ ☍ ☉
29	20	♀ gr. östl. El. 47° 18′
Dez.		
3	18	♄ ☌ ☾
6	16	♂ ☌ ☾
15	12	☿ ☌ ☾
16	18	☿ gr. östl. El. 20° 19′
17	13	♀ ☌ ☾
25	11	♃ ☌ ☾
29	17	☿ im Perihel
31	0	♄ ☌ ☾

Präzession in Rektaszension (p_α) und Deklination (p_δ)

α \ δ	+60°	+50°	+40°	+30°	+20°	+10°	0°	−10°	−20°	−30°	−40°	−50°	−60°	p_δ
h	s	s	s	s	s	s	s	s	s	s	s	s	s	″
0	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	+20.0
1	3.67	3.48	3.36	3.27	3.20	3.13	3.07	3.01	2.95	2.87	2.78	2.66	2.47	+19.4
2	4.23	3.87	3.63	3.46	3.32	3.19	3.07	2.95	2.83	2.69	2.51	2.28	1.92	+17.4
3	4.71	4.20	3.87	3.62	3.42	3.24	3.07	2.91	2.73	2.53	2.28	1.95	1.44	+14.2
4	5.08	4.45	4.04	3.74	3.49	3.28	3.07	2.87	2.65	2.41	2.10	1.69	1.07	+10.0
5	5.31	4.61	4.16	3.82	3.54	3.30	3.07	2.84	2.60	2.33	1.99	1.53	0.84	+ 5.2
6	5.39	4.67	4.19	3.84	3.56	3.31	3.07	2.84	2.59	2.30	1.95	1.48	0.76	0.0
7	5.31	4.61	4.16	3.82	3.54	3.30	3.07	2.84	2.60	2.33	1.99	1.53	0.84	− 5.2
8	5.08	4.45	4.04	3.74	3.49	3.28	3.07	2.87	2.65	2.41	2.10	1.69	1.07	−10.0
9	4.71	4.20	3.87	3.62	3.42	3.24	3.07	2.91	2.73	2.53	2.28	1.95	1.44	−14.2
10	4.23	3.87	3.63	3.46	3.32	3.19	3.07	2.95	2.83	2.69	2.51	2.28	1.92	−17.4
11	3.67	3.48	3.36	3.27	3.20	3.13	3.07	3.01	2.95	2.87	2.78	2.66	2.47	−19.4
12	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	−20.0
13	2.47	2.66	2.78	2.87	2.95	3.01	3.07	3.13	3.20	3.27	3.36	3.48	3.67	−19.4
14	1.92	2.28	2.51	2.69	2.83	2.95	3.07	3.19	3.32	3.46	3.63	3.87	4.23	−17.4
15	1.44	1.95	2.28	2.53	2.73	2.91	3.07	3.24	3.42	3.62	3.87	4.20	4.71	−14.2
16	1.07	1.69	2.10	2.41	2.65	2.87	3.07	3.28	3.49	3.74	4.04	4.45	5.08	−10.0
17	0.84	1.53	1.99	2.33	2.60	2.84	3.07	3.30	3.54	3.82	4.16	4.61	5.31	− 5.2
18	0.76	1.48	1.95	2.30	2.59	2.84	3.07	3.31	3.56	3.84	4.19	4.67	5.39	0.0
19	0.84	1.53	1.99	2.33	2.60	2.84	3.07	3.30	3.54	3.82	4.16	4.61	5.31	+ 5.2
20	1.07	1.69	2.10	2.41	2.65	2.87	3.07	3.28	3.49	3.74	4.04	4.45	5.08	+10.0
21	1.44	1.95	2.28	2.53	2.73	2.91	3.07	3.24	3.42	3.62	3.87	4.20	4.71	+14.2
22	1.92	2.28	2.51	2.69	2.83	2.95	3.07	3.19	3.32	3.46	3.63	3.87	4.23	+17.4
23	2.47	2.66	2.78	2.87	2.95	3.01	3.07	3.13	3.20	3.27	3.36	3.48	3.67	+19.4
24	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	+20.0

Präzessionswerte und Schiefe der Ekliptik

Zeit	m	n	ψ	log π	Π	ε
1900.0	46.0850	20.0468	50.2564	9.67309	173° 57.06′	23° 27′ 8.26″
1905.0	46.0864	20.0464	50.2575	9.67305	173 59.80	27 5.92
1910.0	46.0878	20.0460	50.2586	9.67302	174 2.53	27 3.58
1915.0	46.0892	20.0456	50.2597	9.67299	174 5.27	27 1.23
1920.0	46.0906	20.0451	50.2608	9.67296	174 8.01	26 58.89
1925.0	46.0920	20.0447	50.2620	9.67293	174 10.75	26 56.55
1930.0	46.0934	20.0443	50.2631	9.67290	174 13.49	26 54.21

Präzession in Länge p_λ											Präz. in Br. p_β		
Länge	Breite β										Länge	Präzession	
λ	0°	+1°	+2°	+3°	+4°	+5°	+6°	+7°	+8°	+9°	λ	p_β	
0°	50″.262	″.254	″.245	″.237	″.229	50″.221	″.213	″.205	″.196	″.188	0°	+0″.048	80
10	.262	.254	.246	.238	.230	.222	.214	.206	.198	.190	10	.128	77
20	.262	.255	.247	.240	.232	.225	.217	.210	.202	.195	20	.205	70
30	.262	.255	.249	.242	.235	.229	.222	.215	.208	.202	30	.275	63
40	50.262	.256	.251	.245	.239	50.233	.227	.221	.216	.210	40	+0.338	52
50	.262	.257	.253	.248	.243	.239	.234	.229	.225	.220	50	.390	40
60	.262	.259	.255	.252	.249	.245	.242	.238	.235	.231	60	.430	26
70	.262	.260	.258	.256	.254	.252	.250	.248	.246	.244	70	.456	14
80	50.262	.261	.261	.260	.259	50.259	.258	.258	.257	.257	80	+0.470	1
90	.262	.263	.263	.264	.265	.266	.267	.268	.269	.270	90	.469	16
100	.262	.264	.267	.269	.271	.273	.275	.277	.280	.282	100	.453	29
110	.262	.266	.269	.273	.277	.280	.284	.287	.291	.294	110	.424	42
120	50.262	.267	.271	.276	.281	50.286	.291	.296	.301	.306	120	+0.382	54
130	.262	.268	.274	.280	.286	.292	.298	.304	.310	.316	130	.328	63
140	.262	.269	.275	.282	.289	.296	.303	.310	.317	.324	140	.265	72
150	.262	.270	.277	.285	.292	.300	.307	.315	.322	.330	150	.193	77
160	50.262	.270	.278	.286	.294	50.302	.310	.318	.326	.334	160	+0.116	81
170	.262	.270	.279	.287	.295	.303	.311	.319	.328	.336	170	+0.035	83
180	.262	.270	.279	.287	.295	.303	.311	.319	.328	.336	180	—0.048	80
190	.262	.270	.278	.286	.294	.302	.310	.318	.326	.334	190	.128	77
200	50.262	.269	.277	.284	.292	50.299	.307	.314	.322	.329	200	—0.205	70
210	.262	.269	.275	.282	.289	.295	.302	.309	.316	.322	210	.275	63
220	.262	.268	.273	.279	.285	.291	.297	.303	.308	.314	220	.338	52
230	.262	.267	.271	.276	.281	.285	.290	.295	.299	.304	230	.390	40
240	50.262	.265	.269	.272	.275	50.279	.282	.286	.289	.293	240	—0.430	26
250	.262	.264	.266	.268	.270	.272	.274	.276	.278	.280	250	.456	14
260	.262	.263	.263	.264	.265	.265	.266	.266	.267	.267	260	.470	1
270	.262	.261	.261	.260	.259	.258	.257	.256	.255	.254	270	.469	16
280	50.262	.260	.257	.255	.253	50.251	.249	.247	.244	.242	280	—0.453	29
290	.262	.258	.255	.251	.247	.244	.240	.237	.233	.230	290	.424	42
300	.262	.257	.253	.248	.243	.238	.233	.228	.223	.218	300	.382	54
310	.262	.256	.250	.244	.238	.232	.226	.220	.214	.208	310	.328	63
320	50.262	.255	.249	.242	.235	50.228	.221	.214	.207	.200	320	—0.265	72
330	.262	.254	.247	.239	.232	.224	.217	.209	.202	.194	330	.193	77
340	.262	.254	.246	.238	.230	.222	.214	.206	.198	.190	340	.116	81
350	.262	.254	.245	.237	.229	.221	.213	.205	.196	.188	350	—0.035	83
360	50.262	.254	.245	.237	.229	50.221	.213	.205	.196	.188	360	+0.048	

Länge λ	Präzession in Länge p_λ — Breite β: 0°	−1°	−2°	−3°	−4°	−5°	−6°	−7°	−8°	−9°	Präz. in Br. p_β — Länge λ	Präzession p_β	
°	″	″	″	″	″	″	″	″	″	″	°	″	
0	50.262	.270	.279	.287	.295	50.303	.311	.319	.328	.336	0	+0.048	80
10	.262	.270	.278	.286	.294	.302	.310	.318	.326	.334	10	.128	77
20	.262	.269	.277	.284	.292	.299	.307	.314	.322	.329	20	.205	70
30	.262	.269	.275	.282	.289	.295	.302	.309	.316	.322	30	.275	63
40	50.262	.268	.273	.279	.285	50.291	.297	.303	.308	.314	40	+0.338	52
50	.262	.267	.271	.276	.281	.285	.290	.295	.299	.304	50	.390	40
60	.262	.265	.269	.272	.275	.279	.282	.286	.289	.293	60	.430	26
70	.262	.264	.266	.268	.270	.272	.274	.276	.278	.280	70	.456	14
80	50.262	.263	.263	.264	.265	50.265	.266	.266	.267	.267	80	+0.470	—1
90	.262	.261	.261	.260	.259	.258	.257	.256	.255	.254	90	.469	16
100	.262	.260	.257	.255	.253	.251	.249	.247	.244	.242	100	.453	29
110	.262	.258	.255	.251	.247	.244	.240	.237	.233	.230	110	.424	42
120	50.262	.257	.253	.248	.243	50.238	.233	.228	.223	.218	120	+0.382	54
130	.262	.256	.250	.244	.238	.232	.226	.220	.214	.208	130	.328	63
140	.262	.255	.249	.242	.235	.228	.221	.214	.207	.200	140	.265	72
150	.262	.254	.247	.239	.232	.224	.217	.209	.202	.194	150	.193	77
160	50.262	.254	.246	.238	.230	50.222	.214	.206	.198	.190	160	+0.116	81
170	.262	.254	.245	.237	.229	.221	.213	.205	.196	.188	170	+0.035	83
180	.262	.254	.245	.237	.229	.221	.213	.205	.196	.188	180	—0.048	80
190	.262	.254	.246	.238	.230	.222	.214	.206	.198	.190	190	.128	77
200	50.262	.255	.247	.240	.232	50.225	.217	.210	.202	.195	200	—0.205	70
210	.262	.255	.249	.242	.235	.229	.222	.215	.208	.202	210	.275	63
220	.262	.256	.251	.245	.239	.233	.227	.221	.216	.210	220	.338	52
230	.262	.257	.253	.248	.243	.239	.234	.229	.225	.220	230	.390	40
240	50.262	.259	.255	.252	.249	50.245	.242	.238	.235	.231	240	—0.430	26
250	.262	.260	.258	.256	.254	.252	.250	.248	.246	.244	250	.456	14
260	.262	.261	.261	.260	.259	.259	.258	.258	.257	.257	260	.470	—1
270	.262	.263	.263	.264	.265	.266	.267	.268	.269	.270	270	.469	16
280	50.262	.264	.267	.269	.271	50.273	.275	.277	.280	.282	280	—0.453	29
290	.262	.266	.269	.273	.277	.280	.284	.287	.291	.294	290	.424	42
300	.262	.267	.271	.276	.281	.286	.291	.296	.301	.306	300	.382	54
310	.262	.268	.274	.280	.286	.292	.298	.304	.310	.316	310	.328	63
320	50.262	.269	.275	.282	.289	50.296	.303	.310	.317	.324	320	—0.265	72
330	.262	.270	.277	.285	.292	.300	.307	.315	.322	.330	330	.193	77
340	.262	.270	.278	.286	.294	.302	.310	.318	.326	.334	340	.116	81
350	.262	.270	.279	.287	.295	.303	.311	.319	.328	.336	350	—0.035	83
360	50.262	.270	.279	.287	.295	50.303	.311	.319	.328	.336	360	+0.048	

Halber Tagbogen

∂	Geographische Breite φ										
	+45°	+46°	+47°	+48°	+49°	+50°	+51°	+52°	+53°	+54°	+55°
°	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
0	6 3.3	6 3.4	6 3.4	6 3.5	6 3.5	6 3.6	6 3.7	6 3.8	6 3.9	6 4.0	6 4.1
+1	6 7.3	6 7.5	6 7.7	6 7.9	6 8.1	6 8.4	6 8.6	6 8.9	6 9.2	6 9.5	6 9.8
2	6 11.3	6 11.6	6 12.0	6 12.4	6 12.8	6 13.2	6 13.6	6 14.0	6 14.5	6 15.0	6 15.5
3	6 15.3	6 15.8	6 16.3	6 16.8	6 17.4	6 18.0	6 18.6	6 19.2	6 19.8	6 20.5	6 21.2
4	6 19.4	6 20.0	6 20.6	6 21.3	6 22.0	6 22.8	6 23.5	6 24.4	6 25.2	6 26.1	6 27.0
+5	6 23.4	6 24.2	6 25.0	6 25.8	6 26.7	6 27.6	6 28.6	6 29.6	6 30.6	6 31.7	6 32.8
6	6 27.5	6 28.4	6 29.3	6 30.4	6 31.4	6 32.5	6 33.6	6 34.8	6 36.0	6 37.3	6 38.7
7	6 31.6	6 32.6	6 33.7	6 34.9	6 36.1	6 37.4	6 38.7	6 40.0	6 41.5	6 43.0	6 44.6
8	6 35.7	6 36.9	6 38.2	6 39.5	6 40.9	6 42.3	6 43.7	6 45.3	6 47.0	6 48.7	6 50.5
9	6 39.8	6 41.2	6 42.6	6 44.1	6 45.6	6 47.3	6 48.9	6 50.7	6 52.6	6 54.5	6 56.5
+10	6 44.0	6 45.6	6 47.1	6 48.8	6 50.5	6 52.3	6 54.2	6 56.1	6 58.2	7 0.3	7 2.6
11	6 48.2	6 49.9	6 51.7	6 53.5	6 55.4	6 57.4	6 59.4	7 1.6	7 3.9	7 6.3	7 8.8
12	6 52.5	6 54.4	6 56.3	6 58.3	7 0.4	7 2.5	7 4.8	7 7.2	7 9.7	7 12.3	7 15.1
13	6 56.9	6 58.9	7 1.0	7 3.1	7 5.4	7 7.8	7 10.2	7 12.8	7 15.5	7 18.4	7 21.4
14	7 1.3	7 3.4	7 5.7	7 8.0	7 10.5	7 13.1	7 15.7	7 18.6	7 21.5	7 24.6	7 27.9
+15	7 5.7	7 8.1	7 10.5	7 13.0	7 15.7	7 18.5	7 21.4	7 24.4	7 27.6	7 31.0	7 34.6
16	7 10.2	7 12.7	7 15.4	7 18.1	7 21.0	7 23.9	7 27.1	7 30.4	7 33.8	7 37.5	7 41.4
17	7 14.8	7 17.5	7 20.3	7 23.3	7 26.3	7 29.5	7 32.9	7 36.5	7 40.2	7 44.1	7 48.3
18	7 19.5	7 22.4	7 25.4	7 28.5	7 31.8	7 35.3	7 38.9	7 42.7	7 46.7	7 50.9	7 55.4
19	7 24.3	7 27.4	7 30.6	7 33.9	7 37.4	7 41.1	7 45.0	7 49.1	7 53.4	7 57.9	8 2.8
+20	7 29.2	7 32.4	7 35.9	7 39.4	7 43.2	7 47.1	7 51.3	7 55.6	8 0.3	8 5.2	8 10.4
21	7 34.1	7 37.6	7 41.3	7 45.1	7 49.1	7 53.3	7 57.7	8 2.4	8 7.3	8 12.6	8 18.2
22	7 39.2	7 42.9	7 46.8	7 50.9	7 55.1	7 59.6	8 4.3	8 9.4	8 14.7	8 20.3	8 26.4
23	7 44.4	7 48.4	7 52.5	7 56.8	8 1.4	8 6.1	8 11.2	8 16.6	8 22.3	8 28.3	8 34.9
24	7 49.8	7 54.0	7 58.3	8 2.9	8 7.8	8 12.9	8 18.3	8 24.0	8 30.2	8 36.7	8 43.8
+25	7 55.3	7 59.8	8 4.4	8 9.3	8 14.4	8 19.9	8 25.7	8 31.8	8 38.4	8 45.5	8 53.1
26	8 1.0	8 5.7	8 10.7	8 15.8	8 21.3	8 27.1	8 33.4	8 40.0	8 47.0	8 54.7	9 3.0
27	8 6.8	8 11.8	8 17.1	8 22.6	8 28.5	8 34.7	8 41.4	8 48.5	8 56.1	9 4.4	9 13.5
28	8 12.9	8 18.2	8 23.8	8 29.7	8 36.0	8 42.6	8 49.8	8 57.5	9 5.8	9 14.9	9 24.8
29	8 19.2	8 24.8	8 30.8	8 37.1	8 43.8	8 51.0	8 58.7	9 7.0	9 16.1	9 26.0	9 37.1
+30	8 25.7	8 31.7	8 38.1	8 44.8	8 52.0	8 59.7	9 8.1	9 17.2	9 27.1	9 38.2	9 50.7

Halber Tagbogen

δ	Geographische Breite φ										
	+45°	+46°	+47°	+48°	+49°	+50°	+51°	+52°	+53°	+54°	+55°
0°	6^h $3^m.3$	6^h $3^m.4$	6^h $3^m.4$	6^h $3^m.5$	6^h $3^m.5$	6^h $3^m.6$	6^h $3^m.7$	6^h $3^m.8$	6^h $3^m.9$	6^h $4^m.0$	6^h $4^m.1$
−1	5 59.3	5 59.2	5 59.1	5 59.0	5 58.9	5 58.9	5 58.8	5 58.7	5 58.6	5 58.4	5 58.3
2	5 55.3	5 55.1	5 54.8	5 54.6	5 54.3	5 54.1	5 53.8	5 53.5	5 53.3	5 52.9	5 52.6
3	5 51.3	5 50.9	5 50.5	5 50.1	5 49.7	5 49.3	5 48.9	5 48.4	5 47.9	5 47.4	5 46.9
4	5 47.3	5 46.8	5 46.2	5 45.7	5 45.1	5 44.5	5 43.9	5 43.3	5 42.6	5 41.9	5 41.2
−5	5 43.2	5 42.6	5 41.9	5 41.2	5 40.5	5 39.7	5 38.9	5 38.1	5 37.2	5 36.3	5 35.4
6	5 39.2	5 38.4	5 37.6	5 36.8	5 35.8	5 34.9	5 33.9	5 32.9	5 31.8	5 30.8	5 29.6
7	5 35.1	5 34.2	5 33.2	5 32.2	5 31.1	5 30.0	5 28.9	5 27.7	5 26.4	5 25.1	5 23.8
8	5 31.0	5 29.9	5 28.8	5 27.6	5 26.4	5 25.1	5 23.8	5 22.4	5 21.0	5 19.5	5 17.9
9	5 26.9	5 25.7	5 24.4	5 23.0	5 21.7	5 20.2	5 18.7	5 17.1	5 15.5	5 13.7	5 11.9
−10	5 22.8	5 21.4	5 19.9	5 18.4	5 16.9	5 15.2	5 13.5	5 11.8	5 9.9	5 7.9	5 5.9
11	5 18.6	5 17.0	5 15.4	5 13.8	5 12.0	5 10.2	5 8.3	5 6.3	5 4.3	5 2.1	4 59.8
12	5 14.3	5 12.6	5 10.9	5 9.0	5 7.1	5 5.1	5 3.0	5 0.9	4 58.6	4 56.2	4 53.7
13	5 10.1	5 8.2	5 6.3	5 4.3	5 2.2	5 0.0	4 57.7	4 55.3	4 52.8	4 50.2	4 47.4
14	5 5.7	5 3.7	5 1.6	4 59.5	4 57.1	4 54.8	4 52.3	4 49.7	4 46.9	4 44.1	4 41.0
−15	5 1.4	4 59.2	4 56.9	4 54.5	4 52.0	4 49.5	4 46.8	4 43.9	4 41.0	4 37.8	4 34.5
16	4 56.9	4 54.6	4 52.1	4 49.5	4 46.9	4 44.1	4 41.2	4 38.1	4 34.9	4 31.5	4 27.9
17	4 52.4	4 49.9	4 47.2	4 44.5	4 41.6	4 38.6	4 35.4	4 32.1	4 28.7	4 25.0	4 21.1
18	4 47.8	4 45.1	4 42.2	4 39.3	4 36.2	4 33.0	4 29.6	4 26.1	4 22.3	4 18.4	4 14.2
19	4 43.1	4 40.2	4 37.2	4 34.0	4 30.7	4 27.3	4 23.7	4 19.9	4 15.8	4 11.6	4 7.1
−20	4 38.4	4 35.3	4 32.0	4 28.7	4 25.1	4 21.4	4 17.5	4 13.5	4 9.1	4 4.6	3 59.7
21	4 33.5	4 30.2	4 26.8	4 23.2	4 19.4	4 15.4	4 11.3	4 6.9	4 2.3	3 57.4	3 52.2
22	4 28.6	4 25.0	4 21.4	4 17.5	4 13.5	4 9.3	4 4.9	4 0.2	3 55.2	3 50.0	3 44.3
23	4 23.5	4 19.7	4 15.8	4 11.8	4 7.5	4 3.0	3 58.2	3 53.2	3 47.9	3 42.3	3 36.2
24	4 18.3	4 14.3	4 10.2	4 5.8	4 1.3	3 56.5	3 51.4	3 46.0	3 40.3	3 34.3	3 27.8
−25	4 12.9	4 8.7	4 4.3	3 59.7	3 54.9	3 49.7	3 44.3	3 38.6	3 32.4	3 25.9	3 18.9
26	4 7.4	4 3.0	3 58.3	3 53.4	3 48.2	3 42.8	3 37.0	3 30.8	3 24.2	3 17.2	3 9.6
27	4 1.7	3 57.0	3 52.1	3 46.9	3 41.3	3 35.5	3 29.3	3 22.7	3 15.7	3 8.0	2 59.8
28	3 55.9	3 50.9	3 45.6	3 40.1	3 34.2	3 28.0	3 21.3	3 14.2	3 6.6	2 58.3	2 49.3
29	3 49.8	3 44.5	3 38.9	3 33.0	3 26.7	3 20.1	3 12.9	3 5.3	2 57.0	2 48.0	2 38.1
−30	3 43.6	3 37.9	3 32.0	3 25.7	3 18.9	3 11.8	3 4.1	2 55.8	2 46.8	2 36.9	2 25.9

Reduktionstafel

für Auf- und Untergang der Sonne

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang

Tag	Geographische Breite φ									
	+45°	+46°	+47°	+48°	+49°	+51°	+52°	+53°	+54°	+55°
1917	m	m	m	m	m	m	m	m	m	m
Jan. 0	−20.2	−16.5	−12.7	−8.7	−4.4	+4.7	+9.6	+14.8	+20.6	+26.5
10	18.9	15.5	11.8	8.0	4.2	4.4	8.9	13.9	18.9	24.5
20	16.8	13.8	10.6	7.1	3.7	3.8	8.0	12.2	16.7	21.4
30	14.2	11.7	8.9	6.1	3.1	3.2	6.7	10.2	13.9	18.0
Febr. 9	11.3	9.3	7.1	4.9	2.4	2.5	5.3	8.1	11.0	14.3
19	− 8.3	− 6.8	− 5.2	−3.6	−1.8	+1.8	+ 3.9	+ 5.9	+ 8.0	+10.4
März 1	5.3	4.3	3.4	2.3	1.1	1.2	2.5	3.8	5.1	6.6
11	− 2.3	− 1.9	− 1.5	−1.0	−0.5	+0.5	+ 1.0	+ 1.6	+ 2.2	+ 2.9
21	+ 0.8	+ 0.6	+ 0.4	+0.2	+0.2	−0.2	− 0.3	− 0.5	− 0.7	− 0.9
31	3.8	3.1	2.3	1.5	0.9	0.9	1.7	2.6	3.7	4.6
April 10	+ 6.8	+ 5.5	+ 4.2	+2.8	+1.5	−1.5	− 3.1	− 4.8	− 6.7	− 8.4
20	9.9	8.0	6.1	4.1	2.2	2.2	4.5	7.0	9.7	12.3
30	12.9	10.5	8.0	5.4	2.8	3.0	6.0	9.2	12.7	16.2
Mai 10	15.7	12.8	9.8	6.6	3.5	3.6	7.3	11.3	15.6	20.0
20	18.2	14.9	11.4	7.8	4.1	4.2	8.7	13.4	18.3	23.6
30	+20.4	+16.7	+12.8	+8.8	+4.6	−4.7	− 9.8	−15.1	−20.7	−26.9
Juni 9	22.0	18.0	13.8	9.5	4.9	5.1	10.6	16.4	22.5	29.1
19	22.6	18.5	14.2	9.8	5.0	5.3	10.9	16.9	23.3	30.2
29	22.3	18.2	14.0	9.6	5.0	5.2	10.7	16.6	22.9	29.7
Juli 9	21.2	17.3	13.2	9.1	4.7	4.9	10.1	15.7	21.6	27.9
19	+19.2	+15.7	+12.1	+8.2	+4.2	−4.4	− 9.2	−14.1	−19.4	−25.0
29	16.8	13.7	10.5	7.1	3.6	3.8	8.0	12.2	16.7	21.6
Aug. 8	14.0	11.5	8.8	6.0	3.0	3.2	6.6	10.1	13.9	17.9
18	11.1	9.1	6.9	4.8	2.4	2.5	5.2	7.9	10.9	14.0
28	8.1	6.7	5.1	3.5	1.7	1.8	3.8	5.8	7.9	10.2
Sept. 7	+ 5.2	+ 4.2	+ 3.2	+2.2	+1.1	−1.2	− 2.4	− 3.7	− 5.0	− 6.4
17	+ 2.1	+ 1.8	+ 1.4	+1.0	+0.4	−0.5	− 1.0	− 1.6	− 2.1	− 2.7
27	− 0.9	− 0.7	− 0.5	−0.3	−0.2	+0.2	+ 0.4	+ 0.5	+ 0.8	+ 1.0
Okt. 7	3.8	3.1	2.4	1.5	0.8	0.9	1.7	2.7	3.7	4.7
17	6.9	5.5	4.2	2.8	1.5	1.6	3.1	4.8	6.6	8.4
27	− 9.8	− 8.0	− 6.1	−4.1	−2.1	+2.2	+ 4.5	+ 6.9	+ 9.5	+12.2
Nov. 6	12.8	10.3	7.9	5.4	2.8	2.9	5.9	9.0	12.5	15.9
16	15.5	12.6	9.6	6.7	3.4	3.6	7.2	11.1	15.3	19.5
26	17.8	14.6	11.2	7.7	3.9	4.1	8.4	13.0	17.8	22.9
Dez. 6	19.6	16.1	12.4	8.5	4.3	4.6	9.3	14.5	19.7	25.5
16	−20.7	−16.9	−13.0	−8.9	−4.5	+4.8	+ 9.8	+15.2	+20.9	+27.0
26	20.7	16.9	13.0	8.9	4.5	4.8	9.8	15.2	20.9	27.0
36	19.8	16.2	12.4	8.4	4.3	4.6	9.3	14.5	19.9	25.7

Reduktionstafel

für Auf- und Untergang des Mondes

Das Vorzeichen der Tafel gilt für den Aufgang, das entgegengesetzte Vorzeichen für den Untergang

t*)	Geographische Breite φ									
	+45°	+46°	+47°	+48°	+49°	+51°	+52°	+53°	+54°	+55°
h m	m	m	m	m	m	m	m	m	m	m
3 0	−37.4	−30.9	−23.9	−16.5	−8.6	+9.3	+19.4	+30.7	+43.3	+57.7
10	34.8	28.7	22.2	15.3	7.9	8.5	17.8	27.9	39.1	51.7
20	32.3	26.5	20.5	14.1	7.3	7.8	16.2	25.4	35.3	46.4
30	29.9	24.5	18.9	13.0	6.7	7.2	14.8	23.1	32.0	41.8
40	27.6	22.6	17.4	12.0	6.1	6.6	13.5	21.0	29.1	37.8
50	25.4	20.8	16.0	11.0	5.6	6.0	12.3	19.1	26.4	34.2
4 0	−23.3	−19.1	−14.6	−10.0	−5.1	+5.4	+11.2	+17.3	+23.9	+30.9
10	21.3	17.4	13.4	9.2	4.7	5.0	10.2	15.7	21.6	27.9
20	19.3	15.8	12.1	8.3	4.2	4.5	9.2	14.1	19.4	25.0
30	17.4	14.2	10.9	7.4	3.8	4.0	8.2	12.7	17.4	22.4
40	15.6	12.7	9.8	6.6	3.4	3.6	7.3	11.3	15.4	19.8
50	13.8	11.3	8.6	5.9	3.0	3.2	6.5	9.9	13.6	17.4
5 0	−12.0	− 9.8	− 7.5	− 5.1	−2.6	+2.7	+ 5.6	+ 8.6	+11.8	+15.2
10	10.3	8.4	6.5	4.4	2.2	2.4	4.8	7.4	10.1	12.9
20	8.6	7.0	5.4	3.7	1.9	2.0	4.0	6.2	8.4	10.8
30	7.0	5.7	4.4	3.0	1.5	1.6	3.2	5.0	6.8	8.7
40	5.4	4.4	3.3	2.3	1.1	1.2	2.5	3.8	5.2	6.6
50	3.7	3.0	2.3	1.6	0.8	0.8	1.7	2.6	3.6	4.6
6 0	− 2.1	− 1.7	− 1.3	− 0.9	−0.5	+0.5	+ 1.0	+ 1.5	+ 2.0	+ 2.6
10	− 0.5	− 0.4	− 0.3	− 0.2	−0.1	+0.1	+ 0.2	+ 0.4	+ 0.5	+ 0.6
20	+ 1.1	+ 0.9	+ 0.7	+ 0.5	+0.2	−0.2	− 0.5	− 0.8	− 1.1	− 1.4
30	2.7	2.2	1.7	1.2	0.6	0.6	1.3	1.9	2.6	3.4
40	4.4	3.5	2.7	1.9	1.0	1.0	2.0	3.1	4.2	5.4
50	6.0	4.9	3.7	2.5	1.3	1.4	2.7	4.3	5.8	7.4
7 0	+ 7.6	+ 6.2	+ 4.8	+ 3.2	+1.6	−1.7	− 3.5	− 5.4	− 7.4	− 9.5
10	9.3	7.6	5.9	4.0	2.0	2.1	4.3	6.6	9.0	11.6
20	11.0	9.0	6.9	4.7	2.4	2.5	5.1	7.8	10.7	13.8
30	12.7	10.4	7.9	5.4	2.8	2.9	5.9	9.1	12.4	16.0
40	14.5	11.9	9.1	6.2	3.2	3.3	6.8	10.4	14.3	18.3
50	16.3	13.3	10.2	7.0	3.6	3.7	7.7	11.8	16.2	20.8
8 0	+18.1	+14.8	+11.4	+ 7.8	+4.0	−4.2	− 8.6	−13.2	−18.1	−23.4
10	20.0	16.4	12.6	8.7	4.4	4.6	9.7	14.8	20.2	26.2
20	22.0	18.0	13.8	9.5	4.9	5.1	10.7	16.3	22.5	29.0
30	24.1	19.7	15.2	10.4	5.3	5.6	11.6	18.0	24.8	32.1
40	26.4	21.5	16.6	11.4	5.9	6.2	12.7	19.8	27.4	35.7
50	28.6	23.3	18.0	12.4	6.4	6.8	14.0	21.8	30.2	39.5
9 0	+30.8	+25.3	+19.5	+13.4	+6.9	−7.4	−15.3	−23.9	−33.2	−43.5

*) *t* ist beim Aufgange der Zeitunterschied zwischen Aufgang und Kulmination, beim Untergange der Zeitunterschied zwischen Kulmination und Untergang

Julianische Periode

I. Anzahl der am 0. Januar seit Anfang der Periode verflossenen Tage

Jahr n. Chr.	0	100	200	300	400	500	600	700	800	900
	17	17	17	18	18	19	19	19	20	20
0	21057	57582	94107	30632	67157	03682	40207	76732	13257	49782
4	22518	59043	95568	32093	68618	05143	41668	78193	14718	51243
8	23979	60504	97029	33554	70079	06604	43129	79654	16179	52704
12	25440	61965	98490	35015	71540	08065	44590	81115	17640	54165
16	26901	63426	99951	36476	73001	09526	46051	82576	19101	55626
20	28362	64887	01412	37937	74462	10987	47512	84037	20562	57087
24	29823	66348	02873	39398	75923	12448	48973	85498	22023	58548
28	31284	67809	04334	40859	77384	13909	50434	86959	23484	60009
32	32745	69270	05795	42320	78845	15370	51895	88420	24945	61470
36	34206	70731	07256	43781	80306	16831	53356	89881	26406	62931
40	35667	72192	08717	45242	81767	18292	54817	91342	27867	64392
44	37128	73653	10178	46703	83228	19753	56278	92803	29328	65853
48	38589	75114	11639	48164	84689	21214	57739	94264	30789	67314
52	40050	76575	13100	49625	86150	22675	59200	95725	32250	68775
56	41511	78036	14561	51086	87611	24136	60661	97186	33711	70236
60	42972	79497	16022	52547	89072	25597	62122	98647	35172	71697
64	44433	80958	17483	54008	90533	27058	63583	00108	36633	73158
68	45894	82419	18944	55469	91994	28519	65044	01569	38094	74619
72	47355	83880	20405	56930	93455	29980	66505	03030	39555	76080
76	48816	85341	21866	58391	94916	31441	67966	04491	41016	77541
80	50277	86802	23327	59852	96377	32902	69427	05952	42477	79002
84	51738	88263	24788	61313	97838	34363	70888	07413	43938	80463
88	53199	89724	26249	62774	99299	35824	72349	08874	45399	81924
92	54660	91185	27710	64235	00760	37285	73810	10335	46860	83385
96	56121	92646	29171	65696	02221	38746	75271	11796	48321	84846
100	57582	94107	30632	67157	03682	40207	76732	13257	49782	86307
	17	17	18	18	19	19	19	20	20	20

Ia. Anzahl der am 0. jedes Monats seit Beginn der Schaltperiode verflossenen Tage

Jahr	Jan. 0	Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
0	0	31	60	91	121	152	182	213	244	274	305	335
1	366	397	425	456	486	517	547	578	609	639	670	700
2	731	762	790	821	851	882	912	943	974	1004	1035	1065
3	1096	1127	1155	1186	1216	1247	1277	1308	1339	1369	1400	1430

Julianische Periode

I. Anzahl der am 0. Januar seit Anfang der Periode verflossenen Tage

Jahr n. Chr.	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900
	20	21	21	21	22	22	23	23	23	24
0	86307	22832	59357	95882	32407	68932	05447	41971[1]	78495[1]	15019[1]
4	87768	24293	60818	97343	33868	70393	06908	43432	79956	16480
8	89229	25754	62279	98804	35329	71854	08369	44893	81417	17941
12	90690	27215	63740	00265	36790	73315	09830	46354	82878	19402
16	92151	28676	65201	01726	38251	74776	11291	47815	84339	20863
20	93612	30137	66662	03187	39712	76237	12752	49276	85800	22324
24	95073	31598	68123	04648	41173	77698	14213	50737	87261	23785
28	96534	33059	69584	06109	42634	79159	15674	52198	88722	25246
32	97995	34520	71045	07570	44095	80620	17135	53659	90183	26707
36	99456	35981	72506	09031	45556	82081	18596	55120	91644	28168
40	00917	37442	73967	10492	47017	83542	20057	56581	93105	29629
44	02378	38903	75428	11953	48478	85003	21518	58042	94566	31090
48	03839	40364	76889	13414	49939	86464	22979	59503	96027	32551
52	05300	41825	78350	14875	51400	87925	24440	60964	97488	34012
56	06761	43286	79811	16336	52861	89386	25901	62425	98949	35473
60	08222	44747	81272	17797	54322	90847	27362	63886	00410	36934
64	09683	46208	82733	19258	55783	92308	28823	65347	01871	38395
68	11144	47669	84194	20719	57244	93769	30284	66808	03332	39856
72	12605	49130	85655	22180	58705	95230	31745	68269	04793	41317
76	14066	50591	87116	23641	60166	96691	33206	69730	06254	42778
80	15527	52052	88577	25102	61627	98152	34667	71191	07715	44239
84	16988	53513	90038	26563	63088	99603	36128	72652	09176	45700
88	18449	54974	91499	28024	64549	01064	37589	74113	10637	47161
92	19910	56435	92960	29485	66010	02525	39050	75574	12098	48622
96	21371	57896	94421	30946	67471	03986	40511	77035	13559	50083
100	22832	59357	95882	32407	68932	05447	41971[1]	78495[1]	15019[1]	51544
	21	21	21	22	22	23	23	23	24	24

[1] Die Zahlen geben die am −1. Jan. seit Anfang der Periode verflossenen Tage

Ia. Anzahl der am 0. jedes Monats seit Beginn der Schaltperiode verflossenen Tage

Jahr	Jan. 0	Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
0	0[2]	31[2]	60	91	121	152	182	213	244	274	305	335
1	366	397	425	456	486	517	547	578	609	639	670	700
2	731	762	790	821	851	882	912	943	974	1004	1035	1065
3	1096	1127	1155	1186	1216	1247	1277	1308	1339	1369	1400	1430

Von 1582 Okt. 15 bis 1583 Dez. 31 sind die Zahlen der Tafel Ia um 10 zu verkleinern

[2] In den Jahren 1700, 1800, 1900 um 1 zu vergrößern

Julianische Periode

II. Anzahl der seit Beginn der Periode am 0. jedes Monats im gregorianischen Kalender verflossenen Tage

Jahr n. Chr.	Januar 0		Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
1860	2400	410	441	470	501	531	562	592	623	654	684	715	745
1861		776	807	835	866	896	927	957	988	*019	*049	*080	*110
1862	2401	141	172	200	231	261	292	322	353	384	414	445	475
1863		506	537	565	596	626	657	687	718	749	779	810	840
1864		871	902	931	962	992	*023	*053	*084	*115	*145	*176	*206
1865	2402	237	268	296	327	357	388	418	449	480	510	541	571
1866		602	633	661	692	722	753	783	814	845	875	906	936
1867		967	998	*026	*057	*087	*118	*148	*179	*210	*240	*271	*301
1868	2403	332	363	392	423	453	484	514	545	576	606	637	667
1869		698	729	757	788	818	849	879	910	941	971	*002	*032
1870	2404	063	094	122	153	183	214	244	275	306	336	367	397
1871		428	459	487	518	548	579	609	640	671	701	732	762
1872		793	824	853	884	914	945	975	*006	*037	*067	*098	*128
1873	2405	159	190	218	249	279	310	340	371	402	432	463	493
1874		524	555	583	614	644	675	705	736	767	797	828	858
1875		889	920	948	979	*009	*040	*070	*101	*132	*162	*193	*223
1876	2406	254	285	314	345	375	406	436	467	498	528	559	589
1877		620	651	679	710	740	771	801	832	863	893	924	954
1878		985	*016	*044	*075	*105	*136	*166	*197	*228	*258	*289	*319
1879	2407	350	381	409	440	470	501	531	562	593	623	654	684
1880		715	746	775	806	836	867	897	928	959	989	*020	*050
1881	2408	081	112	140	171	201	232	262	293	324	354	385	415
1882		446	477	505	536	566	597	627	658	689	719	750	780
1883		811	842	870	901	931	962	992	*023	*054	*084	*115	*145
1884	2409	176	207	236	267	297	328	358	389	420	450	481	511
1885		542	573	601	632	662	693	723	754	785	815	846	876
1886		907	938	966	997	*027	*058	*088	*119	*150	*180	*211	*241
1887	2410	272	303	331	362	392	423	453	484	515	545	576	606
1888		637	668	697	728	758	789	819	850	881	911	942	972
1889	2411	003	034	062	093	123	154	184	215	246	276	307	337
1890		368	399	427	458	488	519	549	580	611	641	672	702
1891		733	764	792	823	853	884	914	945	976	*006	*037	*067
1892	2412	098	129	158	189	219	250	280	311	342	372	403	433
1893		464	495	523	554	584	615	645	676	707	737	768	798
1894		829	860	888	919	949	980	*010	*041	*072	*102	*133	*163
1895	2413	194	225	253	284	314	345	375	406	437	467	498	528
1896		559	590	619	650	680	711	741	772	803	833	864	894
1897		925	956	984	*015	*045	*076	*106	*137	*168	*198	*229	*259
1898	2414	290	321	349	380	410	441	471	502	533	563	594	624
1899		655	686	714	745	775	806	836	867	898	928	959	989

Julianische Periode

II. Anzahl der seit Beginn der Periode am 0. jedes Monats im gregorianischen Kalender verflossenen Tage

Jahr n. Chr.	Januar 0		Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
1900	2415	020	051	079	110	140	171	201	232	263	293	324	354
1901		385	416	444	475	505	536	566	597	628	658	689	719
1902		750	781	809	840	870	901	931	962	993	*023	*054	*084
1903	2416	115	146	174	205	235	266	296	327	358	388	419	449
1904		480	511	540	571	601	632	662	693	724	754	785	815
1905		846	877	905	936	966	997	*027	*058	*089	*119	*150	*180
1906	2417	211	242	270	301	331	362	392	423	454	484	515	545
1907		576	607	635	666	696	727	757	788	819	849	880	910
1908		941	972	*001	*032	*062	*093	*123	*154	*185	*215	*246	*276
1909	2418	307	338	366	397	427	458	488	519	550	580	611	641
1910		672	703	731	762	792	823	853	884	915	945	976	*006
1911	2419	037	068	096	127	157	188	218	249	280	310	341	371
1912		402	433	462	493	523	554	584	615	646	676	707	737
1913		768	799	827	858	888	919	949	980	*011	*041	*072	*102
1914	2420	133	164	192	223	253	284	314	345	376	406	437	467
1915		498	529	557	588	618	649	679	710	741	771	802	832
1916		863	894	923	954	984	*015	*045	*076	*107	*137	*168	*198
1917	2421	229	260	288	319	349	380	410	441	472	502	533	563
1918		594	625	653	684	714	745	775	806	837	867	898	928
1919		959	990	*018	*049	*079	*110	*140	*171	*202	*232	*263	*293
1920	2422	324	355	384	415	445	476	506	537	568	598	629	659
1921		690	721	749	780	810	841	871	902	933	963	994	*024
1922	2423	055	086	114	145	175	206	236	267	298	328	359	389
1923		420	451	479	510	540	571	601	632	663	693	724	754
1924		785	816	845	876	906	937	967	998	*029	*059	*090	*120
1925	2424	151	182	210	241	271	302	332	363	394	424	455	485
1926		516	547	575	606	636	667	697	728	759	789	820	850
1927		881	912	940	971	*001	*032	*062	*093	*124	*154	*185	*215
1928	2425	246	277	306	337	367	398	428	459	490	520	551	581
1929		612	643	671	702	732	763	793	824	855	885	916	946
1930		977	*008	*036	*067	*097	*128	*158	*189	*220	*250	*281	*311
1931	2426	342	373	401	432	462	493	523	554	585	615	646	676
1932		707	738	767	798	828	859	889	920	951	981	*012	*042
1933	2427	073	104	132	163	193	224	254	285	316	346	377	407
1934		438	469	497	528	558	589	619	650	681	711	742	772
1935		803	834	862	893	923	954	984	*015	*046	*076	*107	*137
1936	2428	168	199	228	259	289	320	350	381	412	442	473	503
1937		534	565	593	624	654	685	715	746	777	807	838	868
1938		899	930	958	989	*019	*050	*080	*111	*142	*172	*203	*233
1939	2429	264	295	323	354	384	415	445	476	507	537	568	598

Verwandlung von mittlerer Zeit in Sternzeit

Red.	0^m	1^m	2^m	3^m	Red.		Red.	
s	h m s	h m s	h m s	h m s	s	m s	s	m s
0	0 0 0	6 5 15	12 10 29	18 15 44	0.00	0 0	0.50	3 3
1	0 6 5	6 11 20	12 16 34	18 21 49	0.01	0 4	0.51	3 6
2	0 12 10	6 17 25	12 22 40	18 27 54	0.02	0 7	0.52	3 10
3	0 18 16	6 23 30	12 28 45	18 33 59	0.03	0 11	0.53	3 14
4	0 24 21	6 29 36	12 34 50	18 40 5	0.04	0 15	0.54	3 17
5	0 30 26	6 35 41	12 40 55	18 46 10	0.05	0 18	0.55	3 21
6	0 36 31	6 41 46	12 47 1	18 52 15	0.06	0 22	0.56	3 25
7	0 42 37	6 47 51	12 53 6	18 58 20	0.07	0 26	0.57	3 28
8	0 48 42	6 53 56	12 59 11	19 4 26	0.08	0 29	0.58	3 32
9	0 54 47	7 0 2	13 5 16	19 10 31	0.09	0 33	0.59	3 35
10	1 0 52	7 6 7	13 11 21	19 16 36	0.10	0 37	0.60	3 39
11	1 6 58	7 12 12	13 17 27	19 22 41	0.11	0 40	0.61	3 43
12	1 13 3	7 18 17	13 23 32	19 28 47	0.12	0 44	0.62	3 46
13	1 19 8	7 24 23	13 29 37	19 34 52	0.13	0 47	0.63	3 50
14	1 25 13	7 30 28	13 35 42	19 40 57	0.14	0 51	0.64	3 54
15	1 31 19	7 36 33	13 41 48	19 47 2	0.15	0 55	0.65	3 57
16	1 37 24	7 42 38	13 47 53	19 53 7	0.16	0 58	0.66	4 1
17	1 43 29	7 48 44	13 53 58	19 59 13	0.17	1 2	0.67	4 5
18	1 49 34	7 54 49	14 0 3	20 5 18	0.18	1 6	0.68	4 8
19	1 55 40	8 0 54	14 6 9	20 11 23	0.19	1 9	0.69	4 12
20	2 1 45	8 6 59	14 12 14	20 17 28	0.20	1 13	0.70	4 16
21	2 7 50	8 13 5	14 18 19	20 23 34	0.21	1 17	0.71	4 19
22	2 13 55	8 19 10	14 24 24	20 29 39	0.22	1 20	0.72	4 23
23	2 20 1	8 25 15	14 30 30	20 35 44	0.23	1 24	0.73	4 27
24	2 26 6	8 31 20	14 36 35	20 41 49	0.24	1 28	0.74	4 30
25	2 32 11	8 37 26	14 42 40	20 47 55	0.25	1 31	0.75	4 34
26	2 38 16	8 43 31	14 48 45	20 54 0	0.26	1 35	0.76	4 38
27	2 44 22	8 49 36	14 54 51	21 0 5	0.27	1 39	0.77	4 41
28	2 50 27	8 55 41	15 0 56	21 6 10	0.28	1 42	0.78	4 45
29	2 56 32	9 1 47	15 7 1	21 12 16	0.29	1 46	0.79	4 49
30	3 2 37	9 7 52	15 13 6	21 18 21	0.30	1 50	0.80	4 52
31	3 8 43	9 13 57	15 19 12	21 24 26	0.31	1 53	0.81	4 56
32	3 14 48	9 20 2	15 25 17	21 30 31	0.32	1 57	0.82	4 59
33	3 20 53	9 26 8	15 31 22	21 36 37	0.33	2 1	0.83	5 3
34	3 26 58	9 32 13	15 37 27	21 42 42	0.34	2 4	0.84	5 7
35	3 33 3	9 38 18	15 43 33	21 48 47	0.35	2 8	0.85	5 10
36	3 39 9	9 44 23	15 49 38	21 54 52	0.36	2 11	0.86	5 14
37	3 45 14	9 50 28	15 55 43	22 0 58	0.37	2 15	0.87	5 18
38	3 51 19	9 56 34	16 1 48	22 7 3	0.38	2 19	0.88	5 21
39	3 57 24	10 2 39	16 7 54	22 13 8	0.39	2 22	0.89	5 25
40	4 3 30	10 8 44	16 13 59	22 19 13	0.40	2 26	0.90	5 29
41	4 9 35	10 14 49	16 20 4	22 25 19	0.41	2 30	0.91	5 32
42	4 15 40	10 20 55	16 26 9	22 31 24	0.42	2 33	0.92	5 36
43	4 21 45	10 27 0	16 32 14	22 37 29	0.43	2 37	0.93	5 40
44	4 27 51	10 33 5	16 38 20	22 43 34	0.44	2 41	0.94	5 43
45	4 33 56	10 39 10	16 44 25	22 49 39	0.45	2 44	0.95	5 47
46	4 40 1	10 45 16	16 50 30	22 55 45	0.46	2 48	0.96	5 51
47	4 46 6	10 51 21	16 56 35	23 1 50	0.47	2 52	0.97	5 54
48	4 52 12	10 57 26	17 2 41	23 7 55	0.48	2 55	0.98	5 58
49	4 58 17	11 3 31	17 8 46	23 14 0	0.49	2 59	0.99	6 2
50	5 4 22	11 9 37	17 14 51	23 20 6	0.50	3 3	1.00	6 5
51	5 10 27	11 15 42	17 20 56	23 26 11				
52	5 16 33	11 21 47	17 27 2	23 32 16				
53	5 22 38	11 27 52	17 33 7	23 38 21				
54	5 28 43	11 33 58	17 39 12	23 44 27				
55	5 34 48	11 40 3	17 45 17	23 50 32				
56	5 40 54	11 46 8	17 51 23	23 56 37				
57	5 46 59	11 52 13	17 57 28	24 2 42				
58	5 53 4	11 58 19	18 3 33	24 8 48				
59	5 59 9	12 4 24	18 9 38	24 14 53				

Die Reduktion ist zur mittl. Zeit zu addieren

Red.	0^m	1^m	2^m	3^m	Red.		Red.	
s	h m s	h m s	h m s	h m s	s	m s	s	m s
0	0 0 0	6 6 15	12 12 29	18 18 44	0.00	0 0	0.50	3 3
1	0 6 6	6 12 21	12 18 35	18 24 50	0.01	0 4	0.51	3 7
2	0 12 12	6 18 27	12 24 42	18 30 56	0.02	0 7	0.52	3 10
3	0 18 19	6 24 33	12 30 48	18 37 2	0.03	0 11	0.53	3 14
4	0 24 25	6 30 40	12 36 54	18 43 9	0.04	0 15	0.54	3 18
5	0 30 31	6 36 46	12 43 0	18 49 15	0.05	0 18	0.55	3 21
6	0 36 37	6 42 52	12 49 7	18 55 21	0.06	0 22	0.56	3 25
7	0 42 44	6 48 58	12 55 13	19 1 27	0.07	0 26	0.57	3 29
8	0 48 50	6 55 4	13 1 19	19 7 34	0.08	0 29	0.58	3 32
9	0 54 56	7 1 11	13 7 25	19 13 40	0.09	0 33	0.59	3 36
10	1 1 2	7 7 17	13 13 31	19 19 46	0.10	0 37	0.60	3 40
11	1 7 9	7 13 23	13 19 38	19 25 52	0.11	0 40	0.61	3 43
12	1 13 15	7 19 29	13 25 44	19 31 59	0.12	0 44	0.62	3 47
13	1 19 21	7 25 36	13 31 50	19 38 5	0.13	0 48	0.63	3 51
14	1 25 27	7 31 42	13 37 56	19 44 11	0.14	0 51	0.64	3 54
15	1 31 34	7 37 48	13 44 3	19 50 17	0.15	0 55	0.65	3 58
16	1 37 40	7 43 54	13 50 9	19 56 23	0.16	0 59	0.66	4 2
17	1 43 46	7 50 1	13 56 15	20 2 30	0.17	1 2	0.67	4 5
18	1 49 52	7 56 7	14 2 21	20 8 36	0.18	1 6	0.68	4 9
19	1 55 59	8 2 13	14 8 28	20 14 42	0.19	1 10	0.69	4 13
20	2 2 5	8 8 19	14 14 34	20 20 48	0.20	1 13	0.70	4 16
21	2 8 11	8 14 26	14 20 40	20 26 55	0.21	1 17	0.71	4 20
22	2 14 17	8 20 32	14 26 46	20 33 1	0.22	1 21	0.72	4 24
23	2 20 24	8 26 38	14 32 53	20 39 7	0.23	1 24	0.73	4 27
24	2 26 30	8 32 44	14 38 59	20 45 13	0.24	1 28	0.74	4 31
25	2 32 36	8 38 51	14 45 5	20 51 20	0.25	1 32	0.75	4 35
26	2 38 42	8 44 57	14 51 11	20 57 26	0.26	1 35	0.76	4 38
27	2 44 49	8 51 3	14 57 18	21 3 32	0.27	1 39	0.77	4 42
28	2 50 55	8 57 9	15 3 24	21 9 38	0.28	1 43	0.78	4 46
29	2 57 1	9 3 16	15 9 30	21 15 45	0.29	1 46	0.79	4 49
30	3 3 7	9 9 22	15 15 36	21 21 51	0.30	1 50	0.80	4 53
31	3 9 14	9 15 28	15 21 43	21 27 57	0.31	1 54	0.81	4 57
32	3 15 20	9 21 34	15 27 49	21 34 3	0.32	1 57	0.82	5 0
33	3 21 26	9 27 41	15 33 55	21 40 10	0.33	2 1	0.83	5 4
34	3 27 32	9 33 47	15 40 1	21 46 16	0.34	2 5	0.84	5 8
35	3 33 38	9 39 53	15 46 8	21 52 22	0.35	2 8	0.85	5 11
36	3 39 45	9 45 59	15 52 14	21 58 28	0.36	2 12	0.86	5 15
37	3 45 51	9 52 5	15 58 20	22 4 35	0.37	2 16	0.87	5 19
38	3 51 57	9 58 12	16 4 26	22 10 41	0.38	2 19	0.88	5 22
39	3 58 3	10 4 18	16 10 33	22 16 47	0.39	2 23	0.89	5 26
40	4 4 10	10 10 24	16 16 39	22 22 53	0.40	2 26	0.90	5 30
41	4 10 16	10 16 30	16 22 45	22 29 0	0.41	2 30	0.91	5 33
42	4 16 22	10 22 37	16 28 51	22 35 6	0.42	2 34	0.92	5 37
43	4 22 28	10 28 43	16 34 57	22 41 12	0.43	2 37	0.93	5 41
44	4 28 35	10 34 49	16 41 4	22 47 18	0.44	2 41	0.94	5 44
45	4 34 41	10 40 55	16 47 10	22 53 24	0.45	2 45	0.95	5 48
46	4 40 47	10 47 2	16 53 16	22 59 31	0.46	2 48	0.96	5 52
47	4 46 53	10 53 8	16 59 22	23 5 37	0.47	2 52	0.97	5 55
48	4 53 0	10 59 14	17 5 29	23 11 43	0.48	2 56	0.98	5 59
49	4 59 6	11 5 20	17 11 35	23 17 49	0.49	2 59	0.99	6 3
50	5 5 12	11 11 27	17 17 41	23 23 56	0.50	3 3	1.00	6 6
51	5 11 18	11 17 33	17 23 47	23 30 2				
52	5 17 25	11 23 39	17 29 54	23 36 8				
53	5 23 31	11 29 45	17 36 0	23 42 14				
54	5 29 37	11 35 52	17 42 6	23 48 21				
55	5 35 43	11 41 58	17 48 12	23 54 27				
56	5 41 50	11 48 4	17 54 19	24 0 33				
57	5 47 56	11 54 10	18 0 25	24 6 39				
58	5 54 2	12 0 17	18 6 31	24 12 46				
59	6 0 8	12 6 23	18 12 37	24 18 52				

Die Reduktion ist von der Sternzeit zu subtrahieren

m	0^h	1^h	2^h	3^h	4^h	5^h	s	d
	d	d	d	d	d	d		
0	0.000000	0.041667	0.083333	0.125000	0.166667	0.208333	0	0.000000
1	.000694	.042361	.084028	.125694	.167361	.209028	1	.000012
2	.001389	.043056	.084722	.126389	.168056	.209722	2	.000023
3	.002083	.043750	.085417	.127083	.168750	.210417	3	.000035
4	.002778	.044444	.086111	.127778	.169444	.211111	4	.000046
5	0.003472	0.045139	0.086806	0.128472	0.170139	0.211806	5	0.000058
6	.004167	.045833	.087500	.129167	.170833	.212500	6	.000069
7	.004861	.046528	.088194	.129861	.171528	.213194	7	.000081
8	.005556	.047222	.088889	.130556	.172222	.213889	8	.000093
9	.006250	.047917	.089583	.131250	.172917	.214583	9	.000104
10	0.006944	0.048611	0.090278	0.131944	0.173611	0.215278	10	0.000116
11	.007639	.049306	.090972	.132639	.174306	.215972	11	.000127
12	.008333	.050000	.091667	.133333	.175000	.216667	12	.000139
13	.009028	.050694	.092361	.134028	.175694	.217361	13	.000150
14	.009722	.051389	.093056	.134722	.176389	.218056	14	.000162
15	0.010417	0.052083	0.093750	0.135417	0.177083	0.218750	15	0.000174
16	.011111	.052778	.094444	.136111	.177778	.219444	16	.000185
17	.011806	.053472	.095139	.136806	.178472	.220139	17	.000197
18	.012500	.054167	.095833	.137500	.179167	.220833	18	.000208
19	.013194	.054861	.096528	.138194	.179861	.221528	19	.000220
20	0.013889	0.055556	0.097222	0.138889	0.180556	0.222222	20	0.000231
21	.014583	.056250	.097917	.139583	.181250	.222917	21	.000243
22	.015278	.056944	.098611	.140278	.181944	.223611	22	.000255
23	.015972	.057639	.099306	.140972	.182639	.224306	23	.000266
24	.016667	.058333	.100000	.141667	.183333	.225000	24	.000278
25	0.017361	0.059028	0.100694	0.142361	0.184028	0.225694	25	0.000289
26	.018056	.059722	.101389	.143056	.184722	.226389	26	.000301
27	.018750	.060417	.102083	.143750	.185417	.227083	27	.000313
28	.019444	.061111	.102778	.144444	.186111	.227778	28	.000324
29	.020139	.061806	.103472	.145139	.186806	.228472	29	.000336
30	0.020833	0.062500	0.104167	0.145833	0.187500	0.229167	30	0.000347
31	.021528	.063194	.104861	.146528	.188194	.229861	31	.000359
32	.022222	.063889	.105556	.147222	.188889	.230556	32	.000370
33	.022917	.064583	.106250	.147917	.189583	.231250	33	.000382
34	.023611	.065278	.106944	.148611	.190278	.231944	34	.000394
35	0.024306	0.065972	0.107639	0.149306	0.190972	0.232639	35	0.000405
36	.025000	.066667	.108333	.150000	.191667	.233333	36	.000417
37	.025694	.067361	.109028	.150694	.192361	.234028	37	.000428
38	.026389	.068056	.109722	.151389	.193056	.234722	38	.000440
39	.027083	.068750	.110417	.152083	.193750	.235417	39	.000451
40	0.027778	0.069444	0.111111	0.152778	0.194444	0.236111	40	0.000463
41	.028472	.070139	.111806	.153472	.195139	.236806	41	.000475
42	.029167	.070833	.112500	.154167	.195833	.237500	42	.000486
43	.029861	.071528	.113194	.154861	.196528	.238194	43	.000498
44	.030556	.072222	.113889	.155556	.197222	.238889	44	.000509
45	0.031250	0.072917	0.114583	0.156250	0.197917	0.239583	45	0.000521
46	.031944	.073611	.115278	.156944	.198611	.240278	46	.000532
47	.032639	.074306	.115972	.157639	.199306	.240972	47	.000544
48	.033333	.075000	.116667	.158333	.200000	.241667	48	.000556
49	.034028	.075694	.117361	.159028	.200694	.242361	49	.000567
50	0.034722	0.076389	0.118056	0.159722	0.201389	0.243056	50	0.000579
51	.035417	.077083	.118750	.160417	.202083	.243750	51	.000590
52	.036111	.077778	.119444	.161111	.202778	.244444	52	.000602
53	.036806	.078472	.120139	.161806	.203472	.245139	53	.000613
54	.037500	.079167	.120833	.162500	.204167	.245833	54	.000625
55	0.038194	0.079861	0.121528	0.163194	0.204861	0.246528	55	0.000637
56	.038889	.080556	.122222	.163889	.205556	.247222	56	.000648
57	.039583	.081250	.122917	.164583	.206250	.247917	57	.000660
58	.040278	.081944	.123611	.165278	.206944	.248611	58	.000671
59	.040972	.082639	.124306	.165972	.207639	.249306	59	.000683

	6^h	7^h	8^h	9^h	10^h	11^h		
m	d	d	d	d	d	d	s	d
0	0.250000	0.291667	0.333333	0.375000	0.416667	0.458333	0	0.000000
1	.250694	.292361	.334028	.375694	.417361	.459028	1	.000012
2	.251389	.293056	.334722	.376389	.418056	.459722	2	.000023
3	.252083	.293750	.335417	.377083	.418750	.460417	3	.000035
4	.252778	.294444	.336111	.377778	.419444	.461111	4	.000046
5	0.253472	0.295139	0.336806	0.378472	0.420139	0.461806	5	0.000058
6	.254167	.295833	.337500	.379167	.420833	.462500	6	.000069
7	.254861	.296528	.338194	.379861	.421528	.463194	7	.000081
8	.255556	.297222	.338889	.380556	.422222	.463889	8	.000093
9	.256250	.297917	.339583	.381250	.422917	.464583	9	.000104
10	0.256944	0.298611	0.340278	0.381944	0.423611	0.465278	10	0.000116
11	.257639	.299306	.340972	.382639	.424306	.465972	11	.000127
12	.258333	.300000	.341667	.383333	.425000	.466667	12	.000139
13	.259028	.300694	.342361	.384028	.425694	.467361	13	.000150
14	.259722	.301389	.343056	.384722	.426389	.468056	14	.000162
15	0.260417	0.302083	0.343750	0.385417	0.427083	0.468750	15	0.000174
16	.261111	.302778	.344444	.386111	.427778	.469444	16	.000185
17	.261806	.303472	.345139	.386806	.428472	.470139	17	.000197
18	.262500	.304167	.345833	.387500	.429167	.470833	18	.000208
19	.263194	.304861	.346528	.388194	.429861	.471528	19	.000220
20	0.263889	0.305556	0.347222	0.388889	0.430556	0.472222	20	0.000231
21	.264583	.306250	.347917	.389583	.431250	.472917	21	.000243
22	.265278	.306944	.348611	.390278	.431944	.473611	22	.000255
23	.265972	.307639	.349306	.390972	.432639	.474306	23	.000266
24	.266667	.308333	.350000	.391667	.433333	.475000	24	.000278
25	0.267361	0.309028	0.350694	0.392361	0.434028	0.475694	25	0.000289
26	.268056	.309722	.351389	.393056	.434722	.476389	26	.000301
27	.268750	.310417	.352083	.393750	.435417	.477083	27	.000313
28	.269444	.311111	.352778	.394444	.436111	.477778	28	.000324
29	.270139	.311806	.353472	.395139	.436806	.478472	29	.000336
30	0.270833	0.312500	0.354167	0.395833	0.437500	0.479167	30	0.000347
31	.271528	.313194	.354861	.396528	.438194	.479861	31	.000359
32	.272222	.313889	.355556	.397222	.438889	.480556	32	.000370
33	.272917	.314583	.356250	.397917	.439583	.481250	33	.000382
34	.273611	.315278	.356944	.398611	.440278	.481944	34	.000394
35	0.274306	0.315972	0.357639	0.399306	0.440972	0.482639	35	0.000405
36	.275000	.316667	.358333	.400000	.441667	.483333	36	.000417
37	.275694	.317361	.359028	.400694	.442361	.484028	37	.000428
38	.276389	.318056	.359722	.401389	.443056	.484722	38	.000440
39	.277083	.318750	.360417	.402083	.443750	.485417	39	.000451
40	0.277778	0.319444	0.361111	0.402778	0.444444	0.486111	40	0.000463
41	.278472	.320139	.361806	.403472	.445139	.486806	41	.000475
42	.279167	.320833	.362500	.404167	.445833	.487500	42	.000486
43	.279861	.321528	.363194	.404861	.446528	.488194	43	.000498
44	.280556	.322222	.363889	.405556	.447222	.488889	44	.000509
45	0.281250	0.322917	0.364583	0.406250	0.447917	0.489583	45	0.000521
46	.281944	.323611	.365278	.406944	.448611	.490278	46	.000532
47	.282639	.324306	.365972	.407639	.449306	.490972	47	.000544
48	.283333	.325000	.366667	.408333	.450000	.491667	48	.000556
49	.284028	.325694	.367361	.409028	.450694	.492361	49	.000567
50	0.284722	0.326389	0.368056	0.409722	0.451389	0.493056	50	0.000579
51	.285417	.327083	.368750	.410417	.452083	.493750	51	.000590
52	.286111	.327778	.369444	.411111	.452778	.494444	52	.000602
53	.286806	.328472	.370139	.411806	.453472	.495139	53	.000613
54	.287500	.329167	.370833	.412500	.454167	.495833	54	.000625
55	0.288194	0.329861	0.371528	0.413194	0.454861	0.496528	55	0.000637
56	.288889	.330556	.372222	.413889	.455556	.497222	56	.000648
57	.289583	.331250	.372917	.414583	.456250	.497917	57	.000660
58	.290278	.331944	.373611	.415278	.456944	.498611	58	.000671
59	.290972	.332639	.374306	.415972	.457639	.499306	59	.000683

Hilfstafeln

zur Berechnung der optischen Mondlibration

λ-☊	Δλ	a	B	λ-☊	λ-☊	Δλ	a	B	λ-☊
°	'		° '	°	°	'		° '	°
0	+0.0+	−0.0268+	−0 0.0+	180	45	+0.6+	−0.0189+	−1 5.2+	225
1	0.0	268	0 1.6	181	46	0.6	186	1 6.3	226
2	0.0	268	0 3.2	182	47	0.6	183	1 7.4	227
3	0.1	268	0 4.8	183	48	0.6	179	1 8.5	228
4	0.1	267	0 6.4	184	49	0.6	176	1 9.6	229
5	+0.1+	−0.0267+	−0 8.0+	185	50	+0.6+	−0.0172+	−1 10.6+	230
6	0.1	267	0 9.6	186	51	0.6	169	1 11.7	231
7	0.1	266	0 11.2	187	52	0.6	165	1 12.7	232
8	0.2	265	0 12.8	188	53	0.6	161	1 13.7	233
9	0.2	265	0 14.4	189	54	0.6	157	1 14.6	234
10	+0.2+	−0.0264+	−0 16.0+	190	55	+0.6+	−0.0154+	−1 15.5+	235
11	0.2	263	0 17.6	191	56	0.6	150	1 16.4	236
12	0.2	262	0 19.1	192	57	0.6	146	1 17.3	237
13	0.3	261	0 20.7	193	58	0.6	142	1 18.1	238
14	0.3	260	0 22.3	194	59	0.5	138	1 19.0	239
15	+0.3+	−0.0259+	−0 23.9+	195	60	+0.5+	−0.0134+	−1 19.8+	240
16	0.3	258	0 25.4	196	61	0.5	130	1 20.6	241
17	0.3	256	0 27.0	197	62	0.5	126	1 21.3	242
18	0.4	255	0 28.5	198	63	0.5	122	1 22.1	243
19	0.4	253	0 30.1	199	64	0.5	117	1 22.8	244
20	+0.4+	−0.0252+	−0 31.6+	200	65	+0.5+	−0.0113+	−1 23.5+	245
21	0.4	250	0 33.1	201	66	0.5	109	1 24.1	246
22	0.4	248	0 34.6	202	67	0.4	105	1 24.8	247
23	0.4	247	0 36.1	203	68	0.4	100	1 25.4	248
24	0.5	245	0 37.5	204	69	0.4	096	1 26.0	249
25	+0.5+	−0.0243+	−0 39.0+	205	70	+0.4+	−0.0092+	−1 26.5+	250
26	0.5	241	0 40.4	206	71	0.4	87	1 27.1	251
27	0.5	239	0 41.9	207	72	0.4	83	1 27.6	252
28	0.5	237	0 43.3	208	73	0.3	78	1 28.1	253
29	0.5	234	0 44.7	209	74	0.3	74	1 28.6	254
30	+0.5+	−0.0232+	−0 46.1+	210	75	+0.3+	−0.0069+	−1 29.0+	255
31	0.5	230	0 47.5	211	76	0.3	65	1 29.4	256
32	0.6	227	0 48.8	212	77	0.3	60	1 29.8	257
33	0.6	225	0 50.1	213	78	0.2	56	1 30.1	258
34	0.6	222	0 51.4	214	79	0.2	51	1 30.4	259
35	+0.6+	−0.0220+	−0 52.8+	215	80	+0.2+	−0.0047+	−1 30.7+	260
36	0.6	217	0 54.1	216	81	0.2	42	1 30.9	261
37	0.6	214	0 55.4	217	82	0.2	37	1 31.1	262
38	0.6	211	0 56.7	218	83	0.1	33	1 31.3	263
39	0.6	208	0 58.0	219	84	0.1	28	1 31.5	264
40	+0.6+	−0.0205+	−0 59.2+	220	85	+0.1+	−0.0023+	−1 31.7+	265
41	0.6	202	1 0.4	221	86	0.1	19	1 31.8	266
42	0.6	199	1 1.6	222	87	0.1	14	1 31.9	267
43	0.6	196	1 2.8	223	88	0.0	09	1 32.0	268
44	0.6	193	1 4.0	224	89	0.0	05	1 32.1	269
45	+0.6+	−0.0189+	−1 5.2+	225	90	+0.0+	−0.0000+	−1 32.1+	270

$$l' = \lambda + \Delta\lambda - a(B - \beta) - L_{☾}; \quad b' = B - \beta$$

l', b' = Optische Libration der Mondmitte in selenographischer Länge und Breite

λ, β = Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort

$L_{☾}$ = Mittlere Länge des Mondes, ☊ = Mondknoten (siehe Seite 58)

Hilfstafeln

zur Berechnung der optischen Mondlibration

λ−☊	Δλ	a	B	λ−☊	λ−☊	Δλ	a	B	λ−☊
°	′		° ′	°	°	′		° ′	°
90	—0.0—	+0.0000—	—1 32.1+	270	135	—0.6—	+0.0189—	—1 5.2+	315
91	0.0	05	1 32.1	271	136	0.6	193	1 4.0	316
92	0.0	09	1 32.0	272	137	0.6	196	1 2.8	317
93	0.1	14	1 31.9	273	138	0.6	199	1 1.6	318
94	0.1	19	1 31.8	274	139	0.6	202	1 0.4	319
95	—0.1—	+0.0023—	—1 31.7+	275	140	—0.6—	+0.0205—	—0 59.2+	320
96	0.1	28	1 31.5	276	141	0.6	208	0 58.0	321
97	0.1	33	1 31.3	277	142	0.6	211	0 56.7	322
98	0.2	37	1 31.1	278	143	0.6	214	0 55.4	323
99	0.2	42	1 30.9	279	144	0.6	217	0 54.1	324
100	—0.2—	+0.0047—	—1 30.7+	280	145	—0.6—	+0.0220—	—0 52.8+	325
101	0.2	51	1 30.4	281	146	0.6	222	0 51.4	326
102	0.2	56	1 30.1	282	147	0.6	225	0 50.1	327
103	0.3	60	1 29.8	283	148	0.6	227	0 48.8	328
104	0.3	65	1 29.4	284	149	0.5	230	0 47.5	329
105	—0.3—	+0.0069—	—1 29.0+	285	150	—0.5—	+0.0232—	—0 46.1+	330
106	0.3	74	1 28.6	286	151	0.5	234	0 44.7	331
107	0.3	78	1 28.1	287	152	0.5	237	0 43.3	332
108	0.4	83	1 27.6	288	153	0.5	239	0 41.9	333
109	0.4	87	1 27.1	289	154	0.5	241	0 40.4	334
110	—0.4—	+0.0092—	—1 26.5+	290	155	—0.5—	+0.0243—	—0 39.0+	335
111	0.4	096	1 26.0	291	156	0.5	245	0 37.5	336
112	0.4	100	1 25.4	292	157	0.4	247	0 36.1	337
113	0.4	105	1 24.8	293	158	0.4	248	0 34.6	338
114	0.5	109	1 24.1	294	159	0.4	250	0 33.1	339
115	—0.5—	+0.0113—	—1 23.5+	295	160	—0.4—	+0.0252—	—0 31.6+	340
116	0.5	117	1 22.8	296	161	0.4	253	0 30.1	341
117	0.5	122	1 22.1	297	162	0.4	255	0 28.5	342
118	0.5	126	1 21.3	298	163	0.3	256	0 27.0	343
119	0.5	130	1 20.6	299	164	0.3	258	0 25.4	344
120	—0.5—	+0.0134—	—1 19.8+	300	165	—0.3—	+0.0259—	—0 23.9+	345
121	0.5	138	1 19.0	301	166	0.3	260	0 22.3	346
122	0.6	142	1 18.1	302	167	0.3	261	0 20.7	347
123	0.6	146	1 17.3	303	168	0.2	262	0 19.1	348
124	0.6	150	1 16.4	304	169	0.2	263	0 17.6	349
125	—0.6—	+0.0154—	—1 15.5+	305	170	—0.2—	+0.0264—	—0 16.0+	350
126	0.6	157	1 14.6	306	171	0.2	265	0 14.4	351
127	0.6	161	1 13.7	307	172	0.2	265	0 12.8	352
128	0.6	165	1 12.7	308	173	0.1	266	0 11.2	353
129	0.6	169	1 11.7	309	174	0.1	267	0 9.6	354
130	—0.6—	+0.0172—	—1 10.6+	310	175	—0.1—	+0.0267—	—0 8.0+	355
131	0.6	176	1 9.6	311	176	0.1	267	0 6.4	356
132	0.6	179	1 8.5	312	177	0.1	268	0 4.8	357
133	0.6	183	1 7.4	313	178	0.0	268	0 3.2	358
134	0.6	186	1 6.3	314	179	0.0	268	0 1.6	359
135	—0.6—	+0.0189—	—1 5.2+	315	180	—0.0—	+0.0268—	—0 0.0+	360

$$l' = \lambda + \Delta\lambda - a\,(B - \beta) - L_{☾}\,; \quad \beta' = B - \beta$$

l', b' = Optische Libration der Mondmitte in selenographischer Länge und Breite

λ, β = Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort

$L_{☾}$ = Mittlere Länge des Mondes, ☊ = Mondknoten (siehe Seite 58)

Hilfsgrößen

zur Berechnung der geozentrischen Koordinaten

$\rho \sin \varphi' = s \sin \varphi$; $\rho \cos \varphi' = c \cos \varphi$

φ	log s		log c		φ	log s		log c	
±0°	9.9970705	4	0.0000000	4	±40°	9.9976745	252	0.0006040	252
1	.9970709	14	.0000004	14	41	.9976997	254	.0006292	254
2	.9970723	22	.0000018	22	42	.9977251	255	.0006546	255
3	.9970745	31	.0000040	31	43	.9977506	255	.0006801	255
4	.9970776	40	.0000071	40	44	.9977761	255	.0007056	255
5	9.9970816	49	0.0000111	49	45	9.9978016	256	0.0007311	256
6	.9970865	57	.0000160	57	46	.9978272	255	.0007567	255
7	.9970922	66	.0000217	66	47	.9978527	255	.0007822	255
8	.9970988	74	.0000283	74	48	.9978782	254	.0008077	254
9	.9971062	83	.0000357	83	49	.9979036	252	.0008331	252
10	9.9971145	92	0.0000440	92	50	9.9979288	252	0.0008583	252
11	.9971237	99	.0000532	99	51	.9979540	249	.0008835	249
12	.9971336	108	.0000631	108	52	.9979789	247	.0009084	247
13	.9971444	116	.0000739	116	53	.9980036	245	.0009331	245
14	.9971560	123	.0000855	123	54	.9980281	242	.0009576	242
15	9.9971683	131	0.0000978	131	55	9.9980523	239	0.0009818	239
16	.9971814	139	.0001109	139	56	.9980762	235	.0010057	235
17	.9971953	146	.0001248	146	57	.9980997	232	.0010292	232
18	.9972099	154	.0001394	154	58	.9981229	228	.0010524	228
19	.9972253	160	.0001548	160	59	.9981457	224	.0010752	224
20	9.9972413	168	0.0001708	168	60	9.9981681	220	0.0010976	220
21	.9972581	174	.0001876	174	61	.9981901	215	.0011196	215
22	.9972755	180	.0002050	180	62	.9982116	209	.0011411	209
23	.9972935	187	.0002230	187	63	.9982325	205	.0011620	205
24	.9973122	192	.0002417	192	64	.9982530	199	.0011825	199
25	9.9973314	198	0.0002609	198	65	9.9982729	193	0.0012024	193
26	.9973512	204	.0002807	204	66	.9982922	188	.0012217	188
27	.9973716	209	.0003011	209	67	.9983110	181	.0012405	181
28	.9973925	214	.0003220	214	68	.9983291	175	.0012586	175
29	.9974139	219	.0003434	219	69	.9983466	168	.0012761	168
30	9.9974358	223	0.0003653	223	70	9.9983634	161	0.0012929	161
31	.9974581	227	.0003876	227	71	.9983795	154	.0013090	154
32	.9974808	232	.0004103	232	72	.9983949	147	.0013244	147
33	.9975040	235	.0004335	235	73	.9984096	140	.0013391	140
34	.9975275	238	.0004570	238	74	.9984236	132	.0013531	132
35	9.9975513	241	0.0004808	241	75	9.9984368	124	0.0013663	124
36	.9975754	245	.0005049	245	76	.9984492	117	.0013787	117
37	.9975999	246	.0005294	246	77	.9984609	108	.0013904	108
38	.9976245	249	.0005540	249	78	.9984717	100	.0014012	100
39	.9976494	251	.0005789	251	79	.9984817	92	.0014112	92
40	9.9976745		0.0006040		80	9.9984909		0.0014204	

I. Verzeichnis von Fixsternen, welche in Mitteleuropa vom Monde bedeckt werden

Nr.	Größe	$\alpha_{1917.0}$	$\delta_{1917.0}$	Nr.	Größe	$\alpha_{1917.0}$	$\delta_{1917.0}$
		h m s	° '			h m s	° '
38	6.5	0 36 54	+ 8 54.1	415	4.3	5 59 5	+23 16.1
94	6.2	1 31 20	+14 14.3	419	5.6	6 4 42	+23 7.7
124	6.5	2 3 12	+17 38.1	422	5.9	6 6 27	+24 26.4
126	6.4	2 4 49	+16 50.1	424	6.3	6 7 17	+22 55.7
146	6.2	2 25 59	+19 29.3	428	3.2	6 9 52	+22 31.9
159	5.7	2 37 41	+19 39.5	432	6.1	6 11 15	+23 59.9
175	5.8	2 53 20	+20 20.2	434	6.2	6 11 55	+23 46.2
177	4.6	2 54 28	+21 0.5	442	3.2	6 17 56	+22 33.4
190	5.0	3 10 8	+20 44.3	445	6.0	6 20 30	+23 22.5
194	5.2	3 16 26	+20 50.9	473	5.2	6 46 35	+21 51.6
195	5.2	3 17 58	+20 26.8	475	5.8	6 46 58	+23 42.0
198	6.0	3 19 39	+20 30.6	486	3.7	6 59 11	+20 41.6
201	6.1	3 23 35	+22 31.1	487	5.9	7 0 19	+22 45.8
226	5.5	3 43 26	+23 10.0	490	6.5	7 5 11	+21 23.6
231	5.9	3 45 2	+21 59.6	504	3.5	7 15 10	+22 8.2
237	5.8	3 51 58	+22 14.4	505	5.2	7 17 3	+20 36.1
238	6.0	3 52 8	+22 56.1	511	6.4	7 21 56	+21 42.2
241	6.5	3 56 1	+22 58.1	512	5.8	7 22 3	+20 25.5
245	5.6	3 59 24	+23 52.7	513	5.3	7 22 49	+21 37.0
281	6.1	4 18 59	+24 6.5	532	6.3	7 40 17	+20 31.0
288	4.2	4 21 20	+22 37.6	533	5.0	7 41 19	+18 42.8
291	5.4	4 22 19	+22 48.6	535	6.2	7 47 7	+19 32.3
314	6.0	4 31 29	+23 10.3	539	5.2	7 50 49	+20 6.2
320	4.3	4 37 16	+22 47.9	546	5.7	7 56 2	+17 32.2
321	6.2	4 38 12	+23 56.0	551	6.1	7 59 58	+19 4.6
322	6.2	4 40 42	+23 28.6	561	4.7	8 7 27	+17 53.9
330	6.3	4 51 12	+24 27.6	571	6.2	8 21 8	+17 19.2
332	6.0	4 52 46	+23 49.2	583	6.3	8 31 29	+15 36.1
333	5.6	4 53 5	+24 55.4	607	6.3	8 46 24	+15 39.6
345	5.5	5 3 3	+24 9.4	628	6.5	9 5 16	+11 54.2
372	5.4	5 24 10	+25 5.1	634	6.3	9 13 22	+11 51.0
378	5.1	5 30 23	+23 59.1	644	5.1	9 27 28	+11 40.1
390	6.0	5 38 17	+23 9.9	645	5.2	9 27 31	+10 4.9
396	5.0	5 43 55	+24 32.4	653	3.8	9 36 43	+10 16.2
406	5.8	5 51 51	+24 14.3	667	5.9	9 52 2	+ 9 19.6

Die auf S. 325*—328* angegebenen Nummern beziehen sich auf den Catalogue of Zodiacal Stars by H. B. Hedrick (in Astronomical Papers of the American Ephemeris, Vol. VIII, Part III).

Sternbedeckungen 1917

I. Verzeichnis von Fixsternen, welche in Mitteleuropa vom Monde bedeckt werden

Nr.	Größe	$\alpha_{1917.0}$	$\delta_{1917.0}$	Nr.	Größe	$\alpha_{1917.0}$	$\delta_{1917.0}$
		h m s	° ′			h m s	° ′
669	6.2	9 53 44	+ 8 42.6	1207	2.9	18 22 51	− 25 28.1
671	4.9	9 55 50	+ 8 26.6	1215	5.7	18 28 49	− 24 5.7
690	6.5	10 18 56	+ 6 6.9	1224	5.8	18 33 28	− 23 34.6
715	6.3	10 47 58	+ 1 27.9	1227	6.1	18 36 48	− 23 54.7
716	6.1	10 51 26	+ 1 10.8	1230	5.7	18 39 43	− 25 5.7
731	5.3	11 9 31	+ 0 22.9	1249	5.9	18 50 59	− 23 16.8
749	6.3	11 23 39	− 1 14.6	1255	6.3	18 56 38	− 22 48.8
752	5.1	11 26 4	− 2 32.7	1270	6.5	19 3 44	− 23 19.3
768	5.9	11 46 48	− 4 52.3	1282	5.5	19 15 40	− 22 33.5
788	6.5	12 6 12	− 7 18.8	1293	5.5	19 21 22	− 21 56.5
810	5.3	12 29 30	− 8 59.7	1298	6.1	19 25 59	− 21 29.1
829	6.0	12 49 59	− 11 11.9	1314	5.1	19 41 31	− 19 57.7
862	5.6	13 28 25	− 14 56.2	1354	5.2	20 22 34	− 18 29.1
875	5.6	13 40 1	− 15 45.7	1358	5.0	20 24 8	− 18 5.3
928	6.5	14 30 10	− 20 4.5	1368	6.2	20 30 51	− 16 48.7
934	6.4	14 41 28	− 20 49.5	1377	5.9	20 35 53	− 16 25.2
935	6.1	14 42 30	− 20 58.6	1395	5.7	20 53 2	− 16 21.1
951	6.1	15 1 40	− 21 42.6	1396	5.9	20 54 6	− 14 48.3
980	6.3	15 28 14	− 24 12.5	1418	6.5	21 11 27	− 13 32.8
991	5.0	15 35 22	− 23 32.9	1427	5.5	21 19 39	− 13 14.1
1005	5.4	15 48 56	− 24 17.2	1432	6.5	21 23 44	− 11 55.7
1016	5.4	15 53 36	− 24 35.6	1443	6.2	21 35 1	− 10 57.0
1022	4.9	15 58 19	− 25 38.1	1453	6.3	21 41 51	− 9 39.6
1024	6.4	15 58 56	− 24 29.9	1462	6.5	21 49 10	− 10 42.2
1043	6.0	16 9 51	− 25 16.0	1493	5.3	22 15 50	− 8 14.3
1055	3.1	16 16 8	− 25 23.7	1510	5.2	22 33 28	− 4 39.4
1063	4.8	16 25 10	− 24 56.0	1514	6.3	22 36 30	− 3 59.2
1103	6.2	17 1 45	− 26 24.1	1532	6.2	22 53 59	− 2 50.4
1112	5.4	17 10 14	− 26 28.9	1562	6.4	23 19 16	− 0 9.9
1124	3.4	17 16 55	− 24 55.1	1563	4.9	23 22 41	+ 0 48.1
1132	6.3	17 21 47	− 25 52.3	1564	6.4	23 23 0	+ 0 40.0
1170	5.5	17 57 46	− 24 17.0	1579	5.7	23 32 9	+ 1 38.5
1172	6.0	17 58 47	− 24 21.8	1585	5.4	23 42 9	+ 3 1.6
1195	6.4	18 13 33	− 25 38.2				
1200	6.4	18 16 25	− 24 57.2				

II. Konjunktionszeiten der in Mitteleuropa sichtbaren Sternbedeckungen

Nr.	Größe	Konjunktion in Rekt. (Mittlere Zeit Greenwich)				Nr.	Größe	Konjunktion in Rekt. (Mittlere Zeit Greenwich)				Nr.	Größe	Konjunktion in Rekt. (Mittlere Zeit Greenwich)				Nr.	Größe	Konjunktion in Rekt. (Mittlere Zeit Greenwich)			
				h	m					h	m					h	m					h	m
94	6.2	Jan.	1	7	5.4	671	4.9	Feb.	7	11	57.3	487	5.9	März	30	8	2.1	1055	3.1	Juni	4	11	41.9
146	6.2		2	8	41.6	749	6.3		9	12	26.7	535	6.2		31	6	29.9	1132	6.3		5	13	10.0
159	5.7		2	14	5.2	752	5.1		9	13	46.8	551	6.1		31	12	50.6	1200	6.4		6	10	4.4
201	6.1		3	10	57.2	788	6.5		10	11	42.0	607	6.3	Apr.	1	12	27.9	1215	5.7		6	14	50.6
245	5.6		4	2	58.0	829	6.0		11	10	54.4	644	5.1		2	10	8.9	1282	5.5		7	9	4.6
281	6.1		4	11	40.1	980	6.3		14	13	17.0	653	3.8		2	15	7.0	1293	5.5		7	11	19.9
333	5.6	Jan.	5	2	45.6	1230	5.7	Feb.	17	16	30.6	690	6.5	Apr.	3	14	4.0	1298	6.1	Juni	7	13	9.5
372	5.4		5	16	33.3	159	5.7		26	3	59.2	768	5.9		5	13	58.6	1354	5.2		8	12	8.4
422	5.9		6	11	31.3	175	5.8		26	10	51.5	810	5.3		6	12	31.5	1358	5.0		8	12	47.3
432	6.1		6	13	41.8	177	4.6		26	11	21.2	1016	5.4		10	11	11.6	1427	5.5		9	12	30.9
475	5.8		7	6	5.8	226	5.5		27	8	44.1	1024	6.4		10	13	24.3	159	5.7		15	14	35.6
487	5.9		7	12	20.2	372	5.4	März	1	4	50.7	1395	5.7		15	13	22.3	535	6.2		21	6	40.2
504	3.5	Jan.	7	19	21.6	396	5.0	März	1	13	39.2	1462	6.5	Apr.	16	14	6.3	715	6.3	Juni	25	6	7.9
532	6.3		8	7	27.0	504	3.5		3	7	48.7	1585	5.4		18	17	34.5	716	6.1		25	8	4.1
535	6.2		8	10	47.4	511	6.4		3	11	3.6	238	6.0		23	6	47.4	934	6.4		30	6	1.2
539	5.2		8	12	36.5	513	5.3		3	11	29.1	241	6.5		23	8	24.8	935	6.1		30	6	28.6
551	6.1		8	17	7.4	551	6.1		4	5	41.4	330	6.3		24	7	35.2	1005	5.4	Juli	1	10	37.0
607	6.3		9	16	42.5	571	6.2		4	16	20.9	396	5.0		25	6	7.4	1016	5.4		1	12	30.6
644	5.1	Jan.	10	14	25.9	607	6.3	März	5	5	19.8	406	5.8	Apr.	25	9	34.4	1249	5.9	Juli	4	8	47.2
653	3.8		10	19	25.4	653	3.8		6	7	58.0	571	6.2		28	7	26.3	1270	6.5		4	13	39.7
690	6.5		11	18	34.0	667	5.9		6	16	14.6	669	6.2		30	8	14.9	1532	6.2		8	13	54.2
768	5.9		13	19	13.7	669	6.2		6	17	10.0	671	4.9		30	9	23.5	1585	5.4		9	12	1.2
810	5.3		14	18	8.8	690	6.5		7	6	55.3	752	5.1	Mai	2	10	51.8	38	6.5		10	13	22.0
1022	4.9		18	17	35.8	731	5.3		8	10	43.0	788	6.5		3	8	23.3	94	6.2		11	14	20.3
1103	6.2	Jan.	19	17	55.2	768	5.9	März	9	7	3.6	829	6.0	Mai	4	7	2.0	281	6.1	Juli	14	16	8.2
1493	5.3		24	20	2.6	829	6.0		10	16	30.0	928	6.5		6	6	34.0	788	6.5		24	8	29.6
1579	5.7		26	6	21.9	862	5.6		11	11	53.0	934	6.4		6	11	33.4	829	6.0		25	8	0.5
124	6.5		29	4	24.0	928	6.5		12	17	15.8	935	6.1		6	12	0.7	928	6.5		27	9	30.6
126	6.4		29	5	8.4	1043	6.0		14	12	31.2	991	5.0		7	10	30.8	1055	3.1		29	7	12.0
175	5.8		30	3	11.6	1055	3.1		14	15	6.6	1005	5.4		7	16	5.9	1063	4.8		29	10	50.7
177	4.6	Jan.	30	3	42.2	1112	5.4	März	15	12	58.6	1227	6.1	Mai	10	10	30.4	1132	6.3	Juli	30	9	8.6
245	5.6		31	8	43.5	1195	6.4		16	13	59.6	1510	5.2		14	16	18.2	1200	6.4		31	6	6.2
333	5.6	Feb.	1	8	32.5	1207	2.9		16	17	39.2	1562	6.4		15	13	44.4	1215	5.7		31	10	50.3
396	5.0		2	7	15.9	1354	5.2		18	17	39.0	1563	4.9		15	15	20.3	1293	5.5	Aug.	1	6	59.0
475	5.8		3	12	9.6	1358	5.0		18	18	17.5	1564	6.4		15	15	29.2	1298	6.1		1	8	45.8
511	6.4		4	4	44.2	1427	5.5		19	17	35.5	445	6.0		23	6	50.6	1354	5.2		2	6	58.4
513	5.3	Feb.	4	5	9.6	201	6.1	März	26	9	9.6	505	5.2	Mai	24	8	34.2	1358	5.0	Aug.	2	7	35.7
532	6.3		4	13	37.9	281	6.1		27	8	41.5	561	4.7		25	8	50.2	1427	5.5		3	6	12.2
535	6.2		4	16	58.9	372	5.4		28	12	42.3	653	3.8		27	7	10.2	1443	6.2		3	12	36.8
571	6.2		5	9	58.1	422	5.9		29	7	22.2	768	5.9		30	6	38.2	1510	5.2		4	13	38.0
667	5.9		7	9	53.2	432	6.1		29	9	31.3	862	5.6	Juni	1	10	57.4	1562	6.4		5	9	48.6
669	6.2		7	10	48.7	434	6.2		29	9	49.4	1043	6.0		4	9	12.6	1563	4.9		5	11	19.4

II. Konjunktionszeiten der in Mitteleuropa sichtbaren Sternbedeckungen

Nr.	Größe	Konjunktion in Rekt. (Mittlere Zeit Greenwich)	h	m
1564	6.4	Aug. 5	11	27.9
1579	5.7	5	15	32.6
126	6.4	8	11	36.1
175	5.8	9	8	46.3
190	5.0	9	16	2.4
238	6.0	10	10	7.9
241	6.5	Aug. 10	11	47.8
330	6.3	11	11	33.0
332	6.0	11	12	13.8
345	5.5	11	16	40.8
406	5.8	12	14	3.5
473	5.2	13	14	46.5
505	5.2	Aug. 14	5	0.8
561	4.7	15	5	29.0
951	6.1	24	6	55.8
1016	5.4	25	5	47.1
1024	6.4	25	8	3.4
1249	5.9	28	5	19.6
1270	6.5	Aug. 28	10	20.2
1396	5.9	30	6	33.4
1418	6.5	30	13	42.3
1532	6.2	Sept. 1	9	10.4
1585	5.4	2	6	4.8
38	6.5	3	5	54.1
159	5.7	Sept. 5	9	37.8
175	5.8	5	16	13.8
231	5.9	6	13	57.4
237	5.8	6	16	51.9
238	6.0	6	16	56.5
314	6.0	7	9	31.2
321	6.2	Sept. 7	12	21.8
322	6.2	7	13	25.2
330	6.3	7	17	53.2
378	5.1	8	10	43.2
505	5.2	10	10	55.9
512	5.8	10	13	18.3
935	6.1	Sept. 20	3	45.4
991	5.0	21	3	47.4
1024	6.4	21	14	6.3
1215	5.7	24	4	22.8
1224	5.8	24	6	16.2
1227	6.1	24	7	37.6

Nr.	Größe	Konjunktion in Rekt. (Mittlere Zeit Greenwich)	h	m
1298	6.1	Sept. 25	3	41.7
1358	5.0	26	3	45.2
1368	6.2	26	6	33.7
1377	5.9	26	8	40.5
1432	6.5	27	4	57.2
1443	6.2	27	9	47.0
1510	5.2	Sept. 28	11	4.0
1562	6.4	29	7	2.0
1563	4.9	29	8	31.0
1564	6.4	29	8	39.3
1579	5.7	29	12	38.6
1585	5.4	29	16	59.4
38	6.5	Sept. 30	16	38.5
94	6.2	Okt. 1	15	44.4
126	6.4	2	5	43.2
190	5.0	3	8	34.5
194	5.2	3	11	9.0
291	5.4	4	14	4.7
314	6.0	Okt. 4	17	50.7
345	5.5	5	6	55.7
378	5.1	5	18	25.7
419	5.6	6	9	10.8
424	6.3	6	10	18.7
428	3.2	6	11	26.4
442	3.2	Okt. 6	14	59.2
490	6.5	7	12	19.4
505	5.2	7	17	50.9
561	4.7	8	18	9.6
1124	3.4	20	4	25.0
1293	5.5	22	8	4.7
1418	6.5	Okt. 24	7	26.4
1532	6.2	26	5	15.9
1585	5.4	27	2	50.0
38	6.5	28	2	57.0
126	6.4	29	16	16.0
190	5.0	30	18	56.4
231	5.9	Okt. 31	8	59.6
237	5.8	31	11	46.4
241	6.5	31	13	24.3
320	4.3	Nov. 1	6	0.8
322	6.2	1	7	24.2
332	6.0	1	12	18.4

Nr.	Größe	Konjunktion in Rekt. (Mittlere Zeit Greenwich)	h	m
390	6.0	Nov. 2	7	2.6
415	4.3	2	15	47.7
419	5.6	2	18	11.2
424	6.3	2	19	17.6
473	5.2	3	12	25.1
486	3.7	3	18	3.9
533	5.0	Nov. 4	13	33.0
583	6.3	5	14	4.9
634	6.3	6	11	41.1
645	5.2	6	19	11.6
715	6.3	8	15	13.1
716	6.1	8	17	8.7
1170	5.5	Nov. 17	3	1.9
1172	6.0	17	3	26.9
1255	6.3	18	3	11.3
1396	5.9	20	5	25.2
1453	6.3	21	2	51.5
1510	5.2	22	2	32.1
1514	6.3	Nov. 22	3	56.5
1532	6.2	22	12	1.4
1579	5.7	23	5	39.2
1585	5.4	23	10	15.1
38	6.5	24	11	7.5
94	6.2	25	11	6.4
190	5.0	Nov. 27	4	34.5
194	5.2	27	7	8.9
195	5.2	27	7	46.6
198	6.0	27	8	27.5
231	5.9	27	18	45.8
288	4.2	28	9	25.4
291	5.4	Nov. 28	9	49.3
314	6.0	28	13	31.3
320	4.3	28	15	51.4
322	6.2	28	17	14.7
390	6.0	29	16	46.8
424	6.3	30	4	55.2
428	3.2	Nov. 30	6	0.7
442	3.2	30	9	26.8
505	5.2	Dez. 1	11	26.6
628	6.5	3	15	58.1
634	6.3	3	20	10.6
788	6.5	7	18	42.0

Nr.	Größe	Konjunktion in Rekt. (Mittlere Zeit Greenwich)	h	m
829	6.0	Dez. 8	18	5.1
875	5.6	9	19	31.2
928	6.5	10	19	29.0
1314	5.1	16	4	37.2
1377	5.9	17	3	29.8
1443	6.2	18	5	24.0
1453	6.3	Dez. 18	8	27.7
1510	5.2	19	7	57.1
1514	6.3	19	9	21.3
1563	4.9	20	6	44.3
1564	6.4	20	6	53.1
1579	5.7	20	11	8.2
126	6.4	Dez. 23	8	12.3
175	5.8	24	4	58.3
190	5.0	24	12	2.2
194	5.2	24	14	40.5
231	5.9	25	2	34.0
237	5.8	25	5	25.8
241	6.5	Dez. 25	7	6.4
288	4.2	25	17	32.5
332	6.0	26	6	29.2
415	4.3	27	10	8.5
419	5.6	27	12	31.7
424	6.3	27	13	38.0
428	3.2	Dez. 27	14	44.0
442	3.2	27	18	11.4
473	5.2	28	6	38.2
486	3.7	28	12	13.1
533	5.0	29	7	24.2
546	5.7	29	14	19.0
583	6.3	Dez. 30	7	28.0
645	5.2	31	12	2.7

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Abbadia	69	+43 22 52.2	+0 7 0.1	+ 1.15	+43 11 17.8	9.999317
Abo	—	+60 26 56.8	−1 29 6.30	−14.64	+60 16 58.8	9.998894
Adelaide	43	−34 55 38.5	−9 14 20.42	−91.06	−34 44 46.1	9.999526
Albany (N. Stw.)[1]	40	+42 39 12.6	+4 55 6.36	+48.48	+42 27 39.5	9.999334
Alfred Centre N.Y.	556	+42 15 19.8	+5 11 7.13	+51.11	+42 3 47.6	9.999379
Algier (N. Stw.)[2] .	342	+36 47 50	−0 12 8.38	− 1.99	+36 36 43	9.999501
Allegheny (N. Stw.)	370	+40 28 58.1	+5 20 5.39	+52.59	+40 17 31.4	9.999411
Allegheny (A. Stw.)	349	+40 27 41.6	+5 20 2.97	+52.58	+40 16 15.0	9.999411
Altenburg[3] . .	229	+50 58 20	−0 49 44.16	− 8.17	+50 46 59	9.999135
Altona Mer.-Kreis[4]	31	+53 32 45.3	−0 39 46.19	− 6.53	+53 21 39.7	9.999058
Amherst (Neue Stw.)	110	+42 21 56.5	+4 50 5.98	+47.66	+42 10 24.0	9.999346
Amherst (Alte Stw.)	122	+42 22 17.1	+4 50 4.72	+47.66	+42 10 44.6	9.999347
Annapolis	—	+38 58 53.5	+5 5 56.53	+50.26	+38 47 33.6	9.999424
Ann Arbor . . .	285	+42 16 48.0	+5 34 55.23	+55.02	+42 5 15.7	9.999360
Arcetri Zentr. d. St.[5]	186	+43 45 14.4	−0 45 1.30	− 7.39	+43 33 39.5	9.999316
Arequipa	2451	−16 22 28.0	+4 46 11.73	+47.02	−16 16 12.7	0.000052
Armagh	61	+54 21 12.7	+0 26 35.4	+ 4.37	+54 10 13.1	9.999041
Athen	107	+37 58 19.7	−1 34 52.92	−15.58	+37 47 5.4	9.999456
Bamberg (Remeis' St.)	299	+49 53 6.0	−0 43 33.57	− 7.15	+49 41 40.0	9.999167
Barcelona[6] . . .	420	+41 24 2	−0 8 35.1	− 1.41	+41 12 32	9.999392
Beloit	—	+42 30 9	+5 56 7.4	+58.51	+42 18 36	9.999335
Bergedorf Mer.-Kr.	35	+53 28 46.7	−0 40 57.74	− 6.73	+53 17 40.6	9.999060
Bergen	—	+60 23 54	−0 21 12.73	− 3.48	+60 13 55	9.998895
Berkeley	97	+37 52 23.6	+8 9 2.76	+80.34	+37 41 9.9	9.999458
Berlin Zentr. d. St.[7]	47	+52 30 16.7	−0 53 34.80	− 8.80	+52 19 4.2	9.999085
Berlin (Urania) . .	—	+52 31 30.7	−0 53 27.40	− 8.78	+52 20 18.3	9.999081
Bern	573	+46 57 8.7	−0 29 45.55	− 4.89	+46 45 34.5	9.999261
Besançon	312	+47 14 59.0	−0 23 57.1	− 3.93	+47 3 25.3	9.999236
Bethlehem[8] . .	—	+40 36 23.5	+5 1 31.94	+49.54	+40 24 56.3	9.999383
Birr Castle[9] . .	56	+53 5 47	+0 31 40.9	+ 5.20	+52 54 38	9.999070
Bogota	2700	+ 4 35 48	+4 56 59	+48.79	+ 4 33 57	0.000175
Bologna Zentr. d. Stw.	84	+44 29 52.8	−0 45 24.48	− 7.46	+44 18 17.3	9.999290
Bombay (Colaba) .	19	+18 53 36.2	−4 51 15.70	−47.85	+18 46 31.1	9.999849
Bonn Zentr. d. Stw. .	62	+50 43 45.0	−0 28 23.18	− 4.66	+50 32 22.7	9.999130
Bordeaux (Floirac)	73	+44 50 7.2	+0 2 5.50	+ 0.34	+44 38 31.6	9.999281
Boston (University)	—	+42 21 32.5	+4 44 15.0	+46.70	+42 10 0.0	9.999339

[1]) Dudley Observatory, seit Juni 1893. Alte Sternwarte 37″.0 nördlich, 7ˢ.10 östlich. — [2]) Alte Sternwarte 3′.8 südlich, 8ˢ östlich. — [3]) Fr. Krüger. — [4]) 1873 nach Kiel verlegt. — [5]) Seit Oktober 1872, früher in Florenz. — [6]) J. Comas Solá. — [7]) Seit 1835. Alte Sternwarte 56″.4 nördlich. 0ˢ.39 westlich. Die provisorischen Koordinaten der neuen Sternwarte in Neubabelsberg sind:

$$\Delta l = + 1^m 9^s.4, \qquad \varphi = + 52^\circ 24'.4.$$

[8]) Sayre Observatory, auch South-Bethlehem. — [9]) Earl of Rosse.

Koordinaten der Sternwarten

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Bothkamp[1]	32	+54 12 9.6	−0 40 31.2	−6.65	+54 1 8.8	9.999042
Bremen (Olbers' Stw.)	—	+53 4 36	−0 35 15	−5.79	+52 53 27	9.999067
Breslau Zentr. d. Stw.	147	+51 6 56.5	−1 8 8.72	−11.19	+50 55 36.1	9.999126
Breteuil Zentr.[2]	66	+48 49 48	−0 8 52.9	−1.46	+48 38 18	9.999178
Brisbane	—	−27 28 0	−10 12 6.4	−100.55	−27 18 32	9.999691
Brüssel (Alte St.) Pass.Instr.	56	+50 51 10.7	−0 17 28.71	−2.87	+50 39 49.0	9.999126
Brüssel (Uccle) Mer.-Kreis	102	+50 47 55.5	−0 17 26.06	−2.86	+50 36 33.6	9.999131
Budapest[3]	110	+47 28 49	−1 16 13.7	−12.53	+47 17 16	9.999215
Bukarest (Mil. Geogr. Inst.)	85	+44 24 34.2	−1 44 27.01	−17.16	+44 12 58.7	9.999292
Cambridge Engl.	28	+52 12 51.6	−0 0 22.75	−0.06	+52 1 37.3	9.999090
Cambridge Mass.[4]	24	+42 22 47.6	+4 44 31.02	+46.74	+42 11 15.1	9.999340
Cap d. gut. Hoffnung	16	−33 56 3.2	−1 13 54.74	−12.14	−33 45 19.6	9.999548
Catania	60	+37 30 13.3	−1 0 20.6	−9.91	+37 19 1.9	9.999465
Chapultepec (Alte Stw.)[5]	—	+19 25 17.5	+6 36 38.28	+65.16	+19 18 2.3	9.999840
Charkow	138	+50 0 10.2	−2 24 54.6	−23.81	+49 48 44.7	9.999153
Charlottenburg, Techn. Hochsch.	60	+52 30 48.7	−0 53 20.5	−8.76	+52 19 36.2	9.999085
Charlottesville[6]	250	+38 2 1.2	+5 14 5.26	+51.60	+37 50 46.5	9.999464
Chicago (Alte Stw.)[7]	—	+41 50 1.0	+5 50 26.82	+57.57	+41 38 29.8	9.999352
Christiania Mer.-Kreis	25	+59 54 43.7	−0 42 53.51	−7.04	+59 44 39.2	9.998908
Cincinnati (Alte Stw.)	—	+39 6 26.5	+5 37 59.09	+55.52	+38 55 6.0	9.999421
Cincinnati (Neue Stw.)[8]	263	+39 8 19.8	+5 37 41.33	+55.47	+38 56 59.1	9.999438
Cleveland (Case Obs.)	212	+41 30 14.5	+5 26 25.86	+53.63	+41 18 44.3	9.999375
Clinton (Litchfield Obs.)	276	+43 3 16.5	+5 1 37.48	+49.55	+42 51 42.6	9.999340
Coimbra	99	+40 12 24.5	+0 33 43.1	+5.54	+40 0 58.9	9.999400
Columbia Missouri[9]	225	+38 56 51.7	+6 9 18.37	+60.67	+38 45 32.0	9.999440
Cordoba	439	−31 25 15.5	+4 16 48.2	+42.19	−31 14 57.5	9.999635
Danzig	3	+54 21 18.0	−1 14 39.5	−12.26	+54 10 18.4	9.999036
Denver[10]	1650	+39 40 36.4	+6 59 47.67	+68.96	+39 29 13.1	9.999519
Dorpat Mer.-Kreis	73	+58 22 47.1	−1 46 53.23	−17.56	+58 12 25.0	9.998946
Dresden (Neue Stw.)[11]	121	+51 2 16.8	−0 54 54.74	−9.02	+50 50 56.1	9.999126
Dresden (Mathem. Salon)	—	+51 3 14.7	−0 54 55.83	−9.02	+50 51 54.0	9.999117
Dublin (Dunsink Obs.)	86	+53 23 13.1	+0 25 21.1	+4.17	+53 12 6.4	9.999065
Düsseldorf (Bilk)	46	+51 12 25.0	−0 27 2.69	−4.44	+51 1 5.1	9.999117
Dunecht[12]	141	+57 9 36	+0 9 40	+1.59	+56 59 1	9.998979
Durham	107	+54 46 6.2	+0 6 19.7	+1.04	+54 35 9.8	9.999033
Edinburg	106	+55 57 23.2	+0 12 43.05	+2.09	+55 46 37.0	9.999005

[1]) Herr von Bülow. — [2]) Bureau international des Poids et Mesures. — [3]) Observ. der Kgl. ungar. Universität. — [4]) Harvard College Observatory. — [5]) 1883 nach Tacubaya verlegt. — [6]) Leander Mc. Cormick Obs. der University of Virginia. — [7]) 1887 geschlossen. — [8]) Mount Lookout, seit 1873. — [9]) Laws Observatory. — [10]) University Park, Chamberlin Observatory. — [11]) v. Engelhardt; Herbst 1897 aufgelöst. Alte Sternwarte 14″.2 nördlich, 1ˢ.57 westlich. — [12]) Earl of Crawford.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Edinburg (Blackf. Hill) .	134	+55 55 28.0	+0 12 44.0	+ 2.09	+55 44 41.5	9.999007
Evanston (Dearborn Obs.)	175	+42 3 33.4	+5 50 42.3	+57.61	+41 52 1.6	9.999358
Flagstaff (Lowell Obs.) .	2210	+35 12 30.5	+7 26 44.6	+73.39	+35 1 35.8	9.999667
Florenz (Alte Sternw.)[1] .	73	+43 46 4.1	−0 45 1.30	− 7.40	+43 34 29.2	9.999308
Florenz (Mil. Geogr. Inst.)	—	+43 46 49.3	−0 45 2.52	− 7.40	+43 35 14.4	9.999303
Frankfurt a. M. . . .	121	+50 7 0	−0 34 36.3	− 5.70	+49 55 35	9.999149
Genf Mer.-Kreis	407	+46 11 59.1	−0 24 36.61	− 4.04	+46 0 23.9	9.999269
Genua (Mar. Stw.) Mer.-Kr.	105	+44 25 9.3	−0 35 41.28	− 5.86	+44 13 33.8	9.999293
Georgetown D. C. . .	46	+38 54 26.2	+5 8 18.33	+50.65	+38 43 6.7	9.999429
Glasgow Schottl. . . .	55	+55 52 42.6	+0 17 10.55	+ 2.82	+55 41 55.7	9.999003
Glasgow Missouri . . .	228	+39 13 45.6	+6 11 18.06	+61.00	+39 2 24.5	9.999433
Göttingen Mer.-Kreis . .	161	+51 31 48.2	−0 39 46.22	− 6.53	+51 20 30.0	9.999117
Gohlis[2])	108	+51 21 35.0	−0 49 29.54	− 8.13	+51 10 15.9	9.999117
Gotha (Neue Stw.) Zentr. d. St.[3])	320	+50 56 37.5	−0 42 50.52	− 7.04	+50 45 16.3	9.999142
Graz	375	+47 4 37.2	−1 1 48	−10.15	+46 53 3.2	9.999244
Greenwich Transit Circle	47	+51 28 38.1	0 0 0.00	0.00	+51 17 19.6	9.999110
Grignon	—	+47 33 42	−0 17 38	− 2.89	+47 22 9	9.999206
Groningen	4	+53 13 19.1	−0 26 15.2	− 4.31	+53 2 11.3	9.999064
Hamburg (Alt. Stw.) M.-Kr.[4])	25	+53 33 6.0	−0 39 53.60	− 6.55	+53 22 0.4	9.999057
Hamburg (D. Seewarte) .	30	+53 32 51.8	−0 39 53.42	− 6.55	+53 21 46.2	9.999058
Hanover N. H.	183	+43 42 15.2	+4 49 8.00	+47.50	+43 30 40.4	9.999317
Harrow (Col. Tupmann) .	66	+51 34 47.4	+0 1 19.9	+ 0.39	+51 23 29.5	9.999109
Hastings on Huds.[5]) .	—	+40 59 25	+4 55 29.7	+48.55	+40 47 56	9.999373
Haverford	—	+40 0 36.5	+5 1 12.79	+49.48	+39 49 11.8	9.999398
Heidelberg (Wolfs Stw.)	—	+49 24 35	−0 34 48.4	− 5.72	+49 13 7	9.999159
Heidelberg (Königst.) M.-Kr.	570	+49 23 54.6	−0 34 53.13	− 5.73	+49 12 26.8	9.999198
St. Helena	210	−15 55 26	+0 22 52.2	+ 3.76	−15 49 20	9.999905
Helsingfors Mer.-Kreis .	38	+60 9 42.6	−1 39 49.10	−16.40	+59 59 41.1	9.998903
Helwan	119	+29 51 33	−2 5 22	−20.59	+29 41 33	9.999648
Herény (von Gothard) . .	229	+47 15 47.4	−1 6 24.6	−10.91	+47 4 13.7	9.999229
Hongkong	34	+22 18 13.2	−7 36 41.9	−75.02	+22 10 5.8	9.999793
Hudson	—	+41 14 42.6	+5 25 44.19	+53.51	+41 3 13.2	9.999367
Ipswich (Orwell Park)[6]) .	—	+52 0 33	−0 4 55.8	− 0.81	+51 49 17	9.999094
Jena (Univers.) Zentr. d. St.	156	+50 55 35.6	−0 46 20.22	− 7.61	+50 44 14.3	9.999131
Jena (Winkler)	174	+50 56 15.7	−0 46 20.73	− 7.61	+50 44 54.5	9.999132
Johannesburg	1806	−26 10 55.0	−1 52 18.00	−18.45	−26 1 45.2	9.999840

[1]) 1872 nach Arcetri verlegt. — [2]) Winkler, August 1887 nach Jena verlegt. — [3]) Seit 1857, früher Seeberg. — [4]) 1909 nach Bergedorf verlegt. — [5]) Dr. Draper. — [6]) Col. Tomline.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Kairo	—	+30 4 38.2	−2 5 8.80	−20.56	+29 54 35.8	9.999635
Kalocsa[1]	110	+46 31 42	−1 15 54.2	−12.47	+46 20 7	9.999240
Karlsruhe[2]	110	+49 0 29.6	−0 33 35.40	− 5.52	+48 49 0.4	9.999177
Kasan (Univers.)	79	+55 47 24.3	−3 16 28.93	−32.28	+55 36 36.6	9.999007
Kasan (Engelhardt)	98	+55 50 20.0	−3 15 16.4	−32.08	+55 39 32.7	9.999007
Kew	10	+51 28 6	+0 1 15.1	+ 0.21	+51 16 47	9.999108
Kiel Neuer Mer.-Kreis	52	+54 20 27.6	−0 40 35.45	− 6.67	+54 9 27.9	9.999040
Kiel Alter Mer.-Kreis	47	+54 20 28.5	−0 40 35.57	− 6.67	+54 9 28.8	9.999040
Kiew Mer.-Kreis	179	+50 27 12.5	−2 2 0.57	−20.04	+50 15 49.0	9.999145
Kis Kartal[3]	—	+47 41 54.8	−1 18 11.6	−12.84	+47 30 22.0	9.999202
Königsberg Reps. M.-Kr.[4]	22	+54 42 50.6	−1 21 58.98	−13.47	+54 31 53.8	9.999029
Kopenhagen (Neue Stw.)[5]	14	+55 41 12.6	−0 50 18.69	− 8.26	+55 30 24.0	9.999005
Kopenhagen (Urania-St.)	10	+55 41 19.2	−0 50 9.11	− 8.24	+55 30 30.6	9.999005
Krakau Mer.-Kreis	221	+50 3 51.9	−1 19 50.28	−13.11	+49 52 26.7	9.999158
Kremsmünster Mer.-Kr.	384	+48 3 23.1	−0 56 31.58	− 9.28	+47 51 51.1	9.999219
Landstuhl (Fauth)	385	+49 24 42.5	−0 30 16.35	− 4.97	+49 13 14.7	9.999185
La Plata	12	−34 54 30	+3 51 37.1	+38.05	−34 43 38	9.999524
Leiden (Neue Stw.) Mer.-Kr.[6]	6	+52 9 20.2	−0 17 56.15	− 2.94	+51 58 5.6	9.999090
Leipzig (Neue Stw.) Zentr.[7]	119	+51 20 5.9	−0 49 33.93	− 8.14	+51 8 46.7	9.999119
Lemberg	338	+49 50 11	−1 36 4	−15.78	+49 38 45	9.999171
Leyton[8]	—	+51 34 34.0	+0 0 0.9	0.00	+51 23 16.1	9.999105
Lissabon (Tupada)	94	+38 42 30.5	+0 36 44.78	+ 6.04	+38 31 12.0	9.999437
Lissabon (Mar. Stw.)	—	+38 42 17.6	+0 36 33.6	+ 6.01	+38 30 59.2	9.999431
Liverpool (Neue Stw.)[9]	61	+53 24 3.8	+0 12 17.2	+ 2.02	+53 12 57.2	9.999063
London[10]	—	+51 31 30	+0 0 37.1	+ 0.10	+51 20 12	9.999106
Lourenço Marques	59	−25 58 4.9	−2 10 22.63	−21.42	−25 48 58.3	9.999725
Lübeck (Navig.-Sch.)	19	+53 51 31.1	−0 42 45.6	− 7.02	+53 40 27.8	9.999049
Lund Zentr. d. Stw.	34	+55 41 52.0	−0 52 44.97	− 8.66	+55 31 3.5	9.999006
Lussinpiccolo[11]	42	+44 32 11	−0 57 52.3	− 9.50	+44 20 35	9.999286
Lüttich Ougrée	128	+50 37 6	−0 22 12	− 3.65	+50 25 43	9.999137
Lyon	299	+45 41 40.8	−0 19 8.0	− 3.14	+45 30 5.3	9.999274
Madison (Washburn Obs.)	293	+43 4 36.7	+5 57 37.90	+58.75	+42 53 2.8	9.999340
Madras	7	+13 4 8.1	−5 20 59.33	−52.73	+12 59 2.6	9.999926
Madrid Zentr. d. Stw.	655	+40 24 29.7	+0 14 45.09	+ 2.43	+40 13 3.3	9.999433
Mailand Gr. Turm	120	+45 27 59.4	−0 36 45.89	− 6.04	+45 16 23.8	9.999268
Manila	3	+14 35 25	−8 3 50	−79.48	+14 29 47	9.999008

[1]) Erzbischöfl. Haynaldsche Sternwarte. — [2]) 1896 nach Heidelberg verlegt. — [3]) Baron von Podmaniczky. — [4]) Nach 1898, vor 1898 0ˢ.01 westlich. — [5]) Seit 1861 Nov. 11. Alte Sternwarte 20″.3 südlich, 0ˢ.03 westlich. — [6]) Seit 1860. Alte Sternwarte 8″.0 nördlich, 0ˢ.42 östlich. — [7]) Seit 1861. Alte Sternwarte 14″.2 nördlich, 4ˢ.00 westlich. — [8]) J. Gurney Barclay. — [9]) Alte Sternwarte 44″.0 nördlich, 17ˢ.1 östlich. — [10]) Regents Park, G. Bishop 1836–61. — [11]) Manora-Sternwarte.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Mannheim Zentr. d. Stw.	98	+49 29 11.0	−0 33 50.42	− 5.56	+49 17 43.5	9.999164
Marburg	248	+50 48 46.9	−0 35 4.9	− 5.76	+50 37 25.0	9.999141
Mare Island Calif.	18	+38 5 55.8	+8 9 5.59	+80.35	+37 54 40.8	9.999447
Markree (Col. Cooper)	45	+54 10 31.7	+0 33 48.4	+ 5.56	+53 59 30.7	9.999043
Marseille (N. St.) M.-Kr.[1])	75	+43 18 19.1	−0 21 34.56	− 3.54	+43 6 44.8	9.999320
Melbourne	28	−37 49 53.1	−9 39 54.17	−95.26	−37 38 39.6	9.999454
Meudon	162	+48 48 18	−0 8 55.5	− 1.46	+48 36 48	9.999185
Mexico	2277	+19 26 1.3	+6 36 26.71	+65.13	+19 18 45.9	9.999995
Middletown Conn.	—	+41 33 16.0	+4 50 37.2	+47.74	+41 21 45.7	9.999359
Modena	63	+44 38 52.8	−0 43 42.8	− 7.18	+44 27 17.2	9.999285
Moncalieri	—	+44 59 51	−0 30 49	− 5.06	+44 48 15	9.999272
Montreal	20	+45 30 17.0	+4 54 18.65	+48.35	+45 18 41.4	9.999260
Mt. Hamilton (Lick) Mkr.	1283	+37 20 25.6	+8 6 34.85	+79.94	+37 9 15.2	9.999552
Mt. Wilson Calif.	1731	+34 12 59.5	+7 52 14.33	+77.47	+34 2 13.3	9.999658
Moskau Mer.-Kr.	142	+55 45 19.5	−2 30 17.03	−24.69	+55 34 31.5	9.999012
Mundenheim[2])	—	+49 27 30	−0 33 44	− 5.54	+49 16 2	9.999158
München West-Kuppel	529	+48 8 45.5	−0 46 26.02	− 7.63	+47 57 13.8	9.999227
Nashville (Vanderbilt Obs.)	—	+36 8 58.2	+5 47 12.81	+57.04	+35 57 56.1	9.999494
Natal	79	−29 50 46.6	−2 4 1.18	−20.37	−29 40 47.0	9.999645
Neapel (Capo di M.)	164	+40 51 45.4	−0 57 1.6	− 9.37	+40 40 17.3	9.999388
Neuchâtel	488	+46 59 50.6	−0 27 49.75	− 4.57	+46 48 16.5	9.999254
New Haven (Neue Stw.)[3])	40	+41 19 22.3	+4 51 40.53	+47.92	+41 7 52.7	9.999368
New York (Rutherfurd)	—	+40 43 48.5	+4 55 56.66	+48.62	+40 32 20.9	9.999380
New York (Columb. C.)	—	+40 45 23.1	+4 55 53.73	+48.61	+40 33 55.4	9.999379
Nikolajew	55	+46 58 22.1	−2 7 53.76	−21.01	+46 46 47.9	9.999225
Nizza Kl. Mer.-Kr.[4])	378	+43 43 16.9	−0 29 12.15	− 4.79	+43 31 42.0	9.999330
Northfield (Goodsell Obs.)	286	+44 27 41.6	+6 12 36.0	+61.21	+44 16 6.1	9.999305
Oakland Californ.[5])	11	+37 48 5	+8 9 6.3	+80.35	+37 36 52	9.999454
Odessa (Univ.-Stw.) Mer.-Kr.	55	+46 28 36.2	−2 3 2.05	−20.21	+46 17 1.3	9.999237
Odessa (Filiale Pulkowa)	—	+46 28 36.0	−2 3 2.19	−20.21	+46 17 1.1	9.999234
Ogden Utah	—	+41 13 8.6	+7 27 59.65	+73.60	+41 1 39.3	9.999368
O-Gyalla Astroph. Obs.[6])	113	+47 52 27.3	−1 12 45.49	−11.95	+47 40 54.9	9.999206
Olmütz[7])	—	+49 35 43	−1 9 8	−11.35	+49 24 16	9.999154
Ottawa	84	+45 23 37.3	+5 2 51.93	+49.75	+45 12 1.7	9.999267
Oxford (Radcl. Obs.)	65	+51 45 35.4	+0 5 2.6	+ 0.83	+51 34 18.5	9.999104
Oxford (Univers.)	64	+51 45 34.2	+0 5 0.4	+ 0.82	+51 34 17.3	9.999104

[1]) Seit 1866. Alte Sternwarte 30″.1 südlich, 6s.2 westlich; 29m. — [2]) Dr. Max Mündler. — [3]) Yale University. Alte Sternwarte 45″.8 südlich, 1s.58 westlich. — [4]) Herr R. Bischofsheim. — [5]) Chabot Observatory. — [6]) Stiftung von Konkoly. — [7]) Herr von Unkrechtsberg.

Koordinaten der Sternwarten

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Oxford Mississippi .	—	+34 22 12.6	+ 5 58 7.1	+58.83	+34 11 25.1	9.999536
Padua Mauer-Quadr. . .	31	+45 24 1.0	— 0 47 29.15	— 7.80	+45 12 25.4	9.999263
Palermo	76	+38 6 44.0	— 0 53 25.80	— 8.78	+37 55 28.9	9.999451
Paramatta	—	—33 48 49.8	—10 4 0.2	—99.22	—33 38 7.3	9.999550
Paris (Obs. nat.) Mer. Cassini	59	+48 50 11.2	— 0 9 20.94	— 1.53	+48 38 41.5	9.999177
Paris (Montsouris) westl. Mer.	—	+48 49 18.0	— 0 9 20.70	— 1.53	+48 37 48.2	9.999174
Parma (Univ.-Stw.) Turm.	—	+44 48 4.7	— 0 41 18.79	— 6.39	+44 36 29.1	9.999277
Perth West.-Austr. . .	60	—31 57 9.6	— 7 43 21.74	—76.12	—31 46 45.8	9.999597
Petersburg (Akademie)	20	+59 56 29.7	— 2 1 13.35	—19.91	+59 46 25.5	9.998907
Petersburg (Univers.) .	4	+59 56 32.0	— 2 1 11.3	—19.91	+59 46 27.8	9.998906
Philadelphia (Alte Stw.)	—	+39 57 7.5	+ 5 0 38.49	+49.39	+39 45 43.0	9.999400
Philadelphia[1]) . . .	74	+39 58 2.1	+ 5 1 6.6	+49.47	+39 46 37.5	9.999404
Plonsk[2])	—	+52 37 40.0	— 1 21 31.9	—13.39	+52 26 28.2	9.999078
Pola	32	+44 51 48.6	— 0 55 22.96	— 9.10	+44 40 12.9	9.999277
Porto Alegre[3]) Mer.-Kr.	—	—30 1 51	+ 3 24 53.2	+33.66	—29 51 49	9.999636
Portsmouth	—	+50 48 3	+ 0 4 24.8	+ 0.73	+50 36 41	9.999124
Potsdam (Astrophys. Obs.)	97	+52 22 56.0	— 0 52 15.86	— 8.58	+52 11 42.7	9.999091
Potsdam (Geod. Inst.) Turm	97	+52 22 54.8	— 0 52 16.12	— 8.58	+52 11 41.5	9.999091
Poughkeepsie[4]) . . .	46	+41 41 18	+ 4 55 33.6	+48.56	+41 29 47	9.999359
Prag (Univ.-Stw.) Turm .	197	+50 5 16.0	— 0 57 40.29	— 9.47	+49 53 50.9	9.999155
Prag (Safarik)	—	+50 4 24	— 0 57 48	— 9.49	+49 52 59	9.999142
Princeton N. J. (N. Stw.)[5])	76	+40 20 55.8	+ 4 58 39.53	+49.06	+40 9 29.7	9.999395
Providence[6])	64	+41 49 46.4	+ 4 45 37.62	+46.92	+41 38 15.2	9.999356
Pulkowa Zentr. d. Stw.	75	+59 46 18.7	— 2 1 18.58	—19.93	+59 36 12.5	9.998914
Quebec Canada . . .	94	+46 48 17.3	+ 4 44 49.4	+46.79	+46 36 42.9	9.999232
Quito	2846	— 0 14 0	+ 5 15 20	+51.80	— 0 13 54	0.000194
Riga (Polytechnikum) Turm	—	+56 57 7	— 1 36 28.11	—15.84	+56 46 30	9.998974
Rio de Janeiro . . .	63	—22 54 23.7	+ 2 52 41.52	+28.37	—22 46 6.0	9.999784
Rochester (Lewis Swift)	172	+43 9 16.8	+ 5 10 21.87	+50.98	+42 57 42.7	9.999330
Rom (Coll. Rom.) Mer.-Kr.	59	+41 53 53.6	— 0 49 55.36	— 8.19	+41 42 22.3	9.999354
Rom (Capitol) Mer.-Kr.	63	+41 53 33.5	— 0 49 56.34	— 8.20	+41 42 2.2	9.999355
Rom (Vatican) Mer.-Kr.	100	+41 54 16.8	— 0 49 49.28	— 8.18	+41 42 45.5	9.999357
Rousdon	157	+50 42 38	+ 0 11 58.9	+ 1.96	+50 31 16	9.999137
Rugby	117	+52 22 7	+ 0 5 2.0	+ 0.83	+52 10 54	9.999093
St. Louis Missouri . .	—	+38 38 3.6	+ 6 0 49.15	+59.28	+38 26 45.5	9.999433
San Fernando . . .	31	+36 27 40.4	+ 0 24 49.37	+ 4.08	+36 16 36.1	9.999488

[1]) Flower Obs. (Univ. of Pennsylvania). — [2]) Dr. Jedrzejewicz; 1898 nach Warschau verlegt. — [3]) Observatorio Regional do Rio Grande do Sul. — [4]) Vassar College. — [5]) Alte Sternwarte 2″.0 nördlich, $1^s.94$ östlich; 65^m. — [6]) Seagrave; Ladd Observatory 35″ nördlich, $1^s.57$ östlich.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
San Francisco[1]	—	+37 47 28.0	+ 8 9 42.81	+80.45	+37 36 14.8	9.999453
Santiago de Chile (N. St.)	519	−33 26 42.0	+ 4 42 46.4	+46.44	−33 16 3.0	9.999594
Santiago de Chile (A. St.)	619	−33 26 25.4	+ 4 42 36.9	+46.42	−33 15 46.4	9.999600
Scarborough	—	+54 16 30	+ 0 1 38.9	+ 0.27	+54 5 30	9.999038
Schwerin	—	+53 37 37.9	− 0 45 40.80	− 7.50	+53 26 32.9	9.999054
Seeberg[2]	356	+50 56 5.2	− 0 42 55.10	− 7.05	+50 44 44.0	9.999145
Sétif	1113	+36 11 19	− 0 21 38.3	− 3.55	+36 0 17	9.999569
South Hadley	76	+42 15 18.2	+ 4 50 20.38	+47.70	+42 3 45.9	9.999346
Speyer	—	+49 18 55.2	− 0 33 45.51	− 5.54	+49 7 27.1	9.999161
Stockholm Mer.-Kreis	44	+59 20 32.7	− 1 12 13.97	−11.86	+59 10 21.4	9.998922
Stonyhurst	116	+53 50 40.0	+ 0 9 52.7	+ 1.62	+53 39 36.5	9.999056
Straßburg (Prov. Stw.)	161	+48 34 54.0	− 0 31 2.37	− 5.10	+48 23 23.5	9.999191
Straßburg (N.St.). M.-Kr.[3]	144	+48 35 0.4	− 0 31 4.53	− 5.10	+48 23 29.9	9.999190
Sydney	44	−33 51 41.1	−10 4 49.60	−99.35	−33 40 58.2	9.999551
Tacubaya[4]	2322	+19 24 17.5	+ 6 36 46.53	+65.18	+19 17 2.6	9.999998
Taschkent	457	+41 19 31.3	− 4 37 10.69	−45.53	+41 8 1.7	9.999396
Taunton Mass. (Metcalf)	8	+41 54	+ 4 44 20	+46.71	+41 42	9.999351
Teramo (Cerulli)	398	+42 39 27	− 0 54 56	− 9.02	+42 27 54	9.999358
Tokio	—	+35 39 17.5	− 9 18 58.0	−91.82	+35 28 19.2	9.999506
Toronto	108	+43 39 35.9	+ 5 17 34.69	+52.17	+43 28 1.1	9.999313
Tortosa (Ebro-Stw.) M.-Kr.	—	+40 49 14	− 0 1 58.5	− 0.32	+40 37 46	9.999378
Toulouse	194	+43 36 45.3	− 0 5 51.0	− 0.96	+43 25 10.6	9.999320
Triest	23	+45 38 45.4	− 0 55 2.90	− 9.04	+45 27 9.9	9.999256
Troy N. Y.	—	+42 43 52.9	+ 4 54 44.6	+48.42	+42 32 19.6	9.999329
Tsingtau (Met.-astr. Stat.)	—	+36 4 11.3	− 8 1 16.21	−79.06	+35 53 9.8	9.999496
Tulse Hill (W. Huggins)	53	+51 26 47.0	+ 0 0 27.7	+ 0.08	+51 15 28.4	9.999111
Turin Mer.-Kr.	276	+45 4 7.9	− 0 30 47.15	− 5.06	+44 52 32.2	9.999288
Twickenham (G. Bishop)	—	+51 27 4.2	+ 0 1 13.1	+ 0.20	+51 15 45.6	9.999108
Upsala (N. Stw.) Pass.-Instr.	21	+59 51 29.4	− 1 10 30.13	−11.58	+59 41 24.2	9.998909
Urbana Jll.	236	+40 6 20.2	+ 5 52 53.97	+57.97	+39 54 55.1	9.999412
Utrecht	12	+52 5 9.5	− 0 20 31.6	− 3.37	+51 53 54.4	9.999093
Valkenburg (Ignatius Coll.)	—	+50 52 29.3	− 0 23 19.91	− 3.83	+50 41 7.8	9.999122
Venedig	15	+45 26 10.5	− 0 49 22.12	− 8.11	+45 14 34.9	9.999261
Warschau[5] Zentr. d. Stw.	110	+52 13 4.6	− 1 24 7.25	−13.82	+52 1 50.3	9.999096
Warschau[6]	—	+52 13 10	− 1 24 5	−13.81	+52 1 56	9.999088
Washington (Alte Stw.)	31	+38 53 38.9	+ 5 8 12.13	+50.63	+38 42 19.4	9.999428

[1]) Davidson Observatory. — [2]) Alte Sternwarte, 1857 nach Gotha verlegt. — [3]) Seit Anfang 1881. — [4]) Seit März 1883, früher in Chapultepec. — [5]) Universitäts-Sternwarte. — [6]) Dr. Jedrzejewicz; seit 1898, früher in Plonsk.

Name	Seehöhe	Geogr. Breite	Länge von Greenwich + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
Washington (Neue Stw.) .	82ᵐ	+38° 55′ 14.0″	+ 5ʰ 8ᵐ 15ˢ.80	+ 50ˢ.64	+38° 43′ 54.4″	9.999431
Washington (Kath. Univ.) .	—	+38 56 14.8	+ 5 8 0.0	+ 50.60	+38 44 55.1	9.999425
Wellington Transit Instr.[1]	127	−41 17 3.8	−11 39 4.27	−114.84	−41 5 34.3	9.999375
Wellington (Mt. Cook Obs.)[2]	44	−41 16 47.1	−11 39 5.31	−114.84	−41 5 17.6	9.999369
West Point N.Y. (N. Stw.)[3]	170	+41 23 22.1	+ 4 55 50.6	+ 48.60	+41 11 52.3	9.999375
Whitestone (Field Obs.) .	—	+40 47 21.6	+ 4 55 7.7	+ 48.48	+40 35 53.8	9.999379
Wien (Alte Sternw.)	167	+48 12 35.5	− 1 5 31.61	− 10.76	+48 1 3.9	9.999201
Wien (Josephstadt)[4] . . .	214	+48 12 53.8	− 1 5 25.17	− 10.74	+48 1 22.2	9.999204
Wien (Neue Sternw.) Zentr. .	240	+48 13 55.4	− 1 5 21.36	− 10.73	+48 2 23.9	9.999205
Wien (Ottakring)[5]	285	+48 12 46.7	− 1 5 10.97	− 10.71	+48 1 15.1	9.999209
Wien (Mil. Geogr. Inst.) . .	—	+48 12 40.0	− 1 5 26.25	− 10.75	+48 1 8.4	9.999189
Wien (Techn. Hochschule) .	—	+48 11 58.5	− 1 5 29.71	− 10.76	+48 0 26.9	9.999190
Wilhelmshaven Mer.-Kr.	9	+53 31 52.1	− 0 32 35.06	− 5.35	+53 20 46.4	9.999057
Williams-Bay Wisc.[6] .	335	+42 34 12.6	+ 5 54 13.28	+ 58.19	+42 22 39.6	9.999356
Williamstown Mass. . .	213	+42 42 49	+ 4 52 53.5	+ 48.12	+42 31 16	9.999344
Williamstown Vict. . .	—	−37 52 7.2	− 9 39 38.1	− 95.22	−37 40 53.5	9.999451
Wilna Pass.-Instr.	122	+54 40 59.1	− 1 41 8.76	− 16.61	+54 30 2.1	9.999036
Windsor N. S. W.[7] . .	16	−33 36 30.8	−10 3 20.77	− 99.11	−33 25 50.2	9.999556
Zô-sè China	100	+31 5 48	− 8 4 44.80	− 79.63	+30 55 34	9.999619
Zürich Meridian-Kreis . .	468	+47 22 38.3	− 0 34 12.3	− 5.62	+47 11 4.8	9.999242

[1]) Hector Observatory. — [2]) 1884 abgebrochen. — [3]) Seit 1883. Alte Sternwarte 9″ nördlich, 1ˢ.2 östlich. — [4]) von Oppolzers Sternwarte. — [5]) v. Kuffner. — [6]) Yerkes Observatory. — [7]) J. Tebbutt. Neue Sternwarte, 0″.4 südlich von der alten.

Normalzeiten der wichtigeren Länder

a) An den Meridian von Greenwich angeschlossen

Normalzeit	Bezeichnung	Staaten
$11^h\,30^m$ O.	—	Neu Seeland
10 0	Ostaustralische Z.	Victoria, Neu Süd-Wales, Queensland, Tasmanien
9 30	—	Süd-Australien
9 0	—	Japan, Korea
8 0	Ostchinesische Küsten-Z.	Ostküste von China. West-Australien
7 0	Südchinesische Küsten-Z.	Südküste von China. Franz. Indochina
5 30	—	Ostindien
2 30	—	Deutsch Ostafrika
2 0	Osteuropäische Z.	Bulgarien, Rumänien, Türkei, Ägypten, Süd-Afrika
1 0	Mitteleuropäische Z. (M. E. Z.)	Dänemark, Deutschland, Italien, Luxemburg, Norwegen, Österreich-Ungarn, Schweden, Schweiz, Serbien, Deutsch Südwest-Afrika
0 0	Westeuropäische Z. (Greenwich Z.)	Belgien, Frankreich, Großbritannien, Portugal, Spanien. Gibraltar, Algerien
3 0 W.	—	Ost-Brasilien
4 0	Atlantic St. Time	Mittel-Brasilien. Canada (Küste)
5 0	Eastern St. Time	Canada (Quebec, Ontario bis 82° 30′ westl.), Vereinigte Staaten (Ost-Zone). Chile, Panama, Peru, West-Brasilien
6 0	Central St. Time	Zentral-Zone von Canada und Vereinigte Staaten
7 0	Mountain St. Time	Gebirgszone von Canada und Vereinigte Staten
8 0	Pacific St. Time	Vereinigte Staaten (Pacifische Küste), Britisch Kolumbien
10 30	—	Sandwich Inseln

b) Nicht an den Meridian von Greenwich angeschlossen

Staaten	Meridian	Längendifferenz gegen Greenwich	Staaten	Meridian	Längendifferenz gegen Greenwich
Argentinien	Cordoba	$4^h\,16^m\,48.2^s$ W.	Mexico	Mexico	$6^h\,36^m\,26.7^s$ W.
Columbien	Bogota	4 56 54.2 W.	Niederlande	Amsterdam	0 19 32.1 O.
Ecuador	Quito	5 14 6.7 W.	Rußland	Pulkowa	2 1 18.6 O.
Griechenland	Athen	1 34 52.9 O.	Uruguay	Montevideo	3 44 48.9 W.
Irland	Dublin	0 25 21.1 W.	Venezuela	Caracas	4 27 43.6 W.

Besondere Erläuterungen zu den Angaben und zum Gebrauch des Jahrbuchs.

Das Jahrbuch gibt die Örter der *Wandelsterne* in geozentrischen und in heliozentrischen Koordinaten. Die Zeitpunkte, für die sie gelten, sind, wenn nicht ausdrücklich eine andere Zeit angegeben wird, in Mittlerer Zeit Greenwich ausgedrückt.

Die Örter der *Fixsterne* sind einmal als wahre, auf das mittlere Äquinoktium des Jahresanfangs bezogen, und dann in Ephemeridenform als scheinbare, auf das instantane wahre Äquinoktium bezogen, gegeben.

Zur Erläuterung ist im einzelnen folgendes zu bemerken:

Sonnenephemeride (S. 2—38).

Der erste Teil der Sonnenephemeride (S. 2—19) gibt auf den linken Seiten für jeden mittleren Greenwicher Mittag:

1) Die Zeitgleichung = Mittlere Zeit *minus* Wahre Zeit.

2) Die geozentrischen, äquatorialen Koordinaten α, δ des scheinbaren Sonnenorts, bezogen auf das jedesmalige wahre Äquinoktium, zugleich mit der ersten Differenzreihe. Diese Angaben sind direkt mit den Beobachtungen vergleichbar. Die Nutationsglieder kurzer Periode sind, wie im Vorwort erwähnt, in den Koordinaten nicht enthalten.

3) Die halbe Durchgangsdauer der Sonnenscheibe durch den Meridian in Sternzeit.

4) Den geozentrischen Halbmesser H der Sonnenscheibe, d. i. der Winkel, unter dem der Sonnenhalbmesser vom Erdmittelpunkt aus erscheint. Als Halbmesser in der mittleren Entfernung ist nach Auwers angenommen 15′ 59″.63.

Die rechten Seiten geben:

1) Den Tag der julianischen Periode.

2) Die Sternzeit im Mittleren Greenwicher Mittag.

Um für einen anderen Erdort der westlichen Längendifferenz $\Delta\lambda$ (in Stunden) gegen Greenwich die Sternzeit in seinem Mittleren Mittag zu erhalten, ist zu diesen Angaben zuzulegen: $9^s.8565\,\Delta\lambda$. Diese Werte finden sich unter der Überschrift: »Korr. der Sternzeit« im Verzeichnis der Sternwarten (S. 329*—336*).

3) Die geozentrischen ekliptikalen Koordinaten λ, β des wahren Sonnenorts, bezogen auf das mittlere Äquinoktium des Jahresanfangs, sowie log R, den Logarithmus der Entfernung R der Erde von der Sonne. Diese Angaben finden bei Bahnberechnungen u. dergl. Verwendung.

4) Die mittleren Ortszeiten des Aufgangs und Untergangs der Sonne für einen Ort des Nullmeridians in $+50^0$ Breite. Um daraus für einen beliebigen anderen Ort zwischen $+45^0$ und $+55^0$ geographischer Breite die entsprechenden Angaben zu erhalten, ist die Tabelle S. 312* zu benutzen.

Auf S. 20—37 folgen, bezogen auf das mittlere Äquinoktium des Jahresanfangs, die rechtwinkligen geozentrischen äquatorialen Sonnenkoordinaten für 0^h und 12^h Mittlere Zeit Greenwich mit ihren stündlichen Änderungen in Einheiten der siebenten Dezimale. Daneben stehen von Tag zu Tag ihre Reduktionen auf das mittlere Äquinoktium 1925.0. Auf S. 255*—257* sind die vereinigten Werte, d. h. die auf das mittlere Äquinoktium 1925.0 bezogenen rechtwinkligen Sonnenkoordinaten sechsstellig von 4 zu 4 Tagen gegeben; sie dienen zur bequemen Verbindung der Koordinatenangaben aufeinanderfolgender Jahre bei Rechnungen über kleine Planeten und Kometen. Am Fuß der Seite 37 finden sich die Zeiten für die Anfänge der Jahreszeiten und für das Peri- und Apogäum der Sonne.

Die Seite 38 enthält die Aberration, Parallaxe, mittlere Länge $L_\odot$ und mittlere Anomalie $M_\odot$ der Sonne im Intervall von je 10 Tagen.

Mondephemeride (S. 39—58).

Seite 39 enthält die Zeitangaben für die Phasen und das Peri- und Apogäum des Mondes.

Die Mondephemeride (S. 40—57) gibt auf den linken Seiten für 12^h Mittlere Zeit Greenwich:

1) Die scheinbare Rektaszension und Deklination des Mondes mit den ersten Differenzen.

2) Den Logarithmus des Sinus der Äquatorial-Horizontalparallaxe $p_☾$ des Mondes.

3) Den geozentrischen Mondhalbmesser $r_☾$, d. i. der Winkel, unter dem der Mondhalbmesser vom Erdmittelpunkt aus erscheint.

4) Die Länge und Breite des Mondes, abgekürzt auf $0^0.001$.

Die rechten Seiten enthalten:

1) Für den oberen Durchgang des Mondes im Nullmeridian die genäherten Angaben für die Rektaszension, Deklination und Parallaxe des Mondes, sowie die Mittlere Greenwicher Zeit dieses Durchgangs, nebst den Änderungen für 1^h Längendifferenz.

2) Die mittleren Ortszeiten des Aufgangs und Untergangs des Mondes für einen Ort des Nullmeridians in $+50^0$ Breite nebst Änderung für 1^h Längendifferenz. Um daraus für einen beliebigen anderen Ort zwischen $+45^0$ und $+55^0$ geographischer Breite die entsprechenden Angaben zu erhalten, ist die Tabelle S. 313* zu benutzen.

Auf S. 58 finden sich:

☊, Aufsteigender Knoten der Mondbahn auf der Ekliptik
$L_☾$, Mittlere Länge des Mondes
$M_☾$, Mittlere Anomalie des Mondes
i, Neigung des Mondäquators gegen den Erdäquator
☊′, Aufsteigender Knoten des Mondäquators auf dem Erdäquator
$\varDelta$, Stück des Mondäquators zwischen Ekliptik und Erdäquator

☋, der aufsteigende Knoten des Mondäquators auf der Ekliptik ist gleich dem absteigenden Knoten der Mondbahn, also

$$☋ = ☊ \pm 180^0.$$

Die Größen i, $\varDelta$ und ☊′ berechnen sich aus:

$$\sin \tfrac{1}{2}(\varDelta + ☊') \cos \tfrac{1}{2} i = \cos \tfrac{1}{2}(\varepsilon - J) \sin \tfrac{1}{2} ☋$$
$$\cos \tfrac{1}{2}(\varDelta + ☊') \cos \tfrac{1}{2} i = \cos \tfrac{1}{2}(\varepsilon + J) \cos \tfrac{1}{2} ☋$$
$$\sin \tfrac{1}{2}(\varDelta - ☊') \sin \tfrac{1}{2} i = \sin \tfrac{1}{2}(\varepsilon - J) \sin \tfrac{1}{2} ☋$$
$$\cos \tfrac{1}{2}(\varDelta - ☊') \sin \tfrac{1}{2} i = \sin \tfrac{1}{2}(\varepsilon + J) \cos \tfrac{1}{2} ☋;$$

dabei ist J, die Neigung des Mondäquators gegen die Ekliptik, nach F. Hayn (Selenographische Koordinaten III, S. 49) zu $J = 1^0\,32'\,6''$ angenommen worden. Die Zahlen geben die Lage des mittleren Mondäquators (ohne physische Libration).

Die auf S. 58 gemachten Angaben über die Elemente der Mondbahn und des Mondäquators dienen, teilweise in Verbindung mit den Größen $L_\odot$ und $M_\odot$ auf S. 38, verschiedenen Zwecken:

1) Als Argumente für die Berechnung der Reduktionsgrößen A, B, C, D, E, A', B'.

2) Bei Bestimmung der selenographischen Koordinaten von Punkten der Mondoberfläche (siehe darüber den folgenden Abschnitt).

3) Bei Berechnung der *optischen* und *physischen* Libration des Mondes.

a) Für die Berechnung der *optischen* Libration des Mondes sind alle nötigen Angaben in den Erläuterungen zu den Hilfstafeln unter Nr. 8 gemacht.

b) Die Beträge der *physischen* Mondlibration in selenographischer Länge, der Neigung des Mondäquators und seinem aufsteigenden Knoten auf der Ekliptik τ, ϱ, σ haben die Werte:

$$\tau = -\ 12''\sin M_☾ + 59''\sin M_\odot + 18''\sin 2(L_☾ - M_☾ - ☊)$$
$$\varrho = -107''\cos M_☾ + 37''\cos(2L_☾ - M_☾ - 2☊) - 11''\cos 2(L_☾ - ☊)$$
$$\sigma \sin J = -109''\sin M_☾ + 37''\sin(2L_☾ - M_☾ - 2☊) - 11''\sin 2(L_☾ - ☊)$$

Diese Zahlenangaben beruhen auf der Annahme $f = 0.75$, worüber F. Hayn (Selenographische Koordinaten III, S. 49) einzusehen ist.

Ephemeride für den Mondkrater Mösting A
(S. 59—63).

Die Ephemeride des Mondkraters Mösting A dient zwei verschiedenen Zwecken: erstens zur genauen Bestimmung von Mondörtern am Himmel durch Beobachtung des Kraters, zweitens zur Bestimmung der selenographischen Koordinaten weiterer Punkte der Mondoberfläche durch deren mikrometrischen Anschluß an Mösting A.

Sie gilt für 12^h Mittlere Zeit Greenwich und enthält für die Tage, an welchen Mösting A innerhalb der Beleuchtungsgrenze liegt, die Unterschiede $\alpha_☾ - \alpha_k$ in Rektaszension und $\delta_☾ - \delta_k$ in Deklination zwischen der Mondmitte und dem Krater, vom Erdmittelpunkt aus gesehen, sowie den Logarithmus des Sinus der Äquatorial-Horizontalparallaxe p_k des Kraters, welche von der des Mondes $p_☾$ zu unterscheiden ist, mit den zugehörigen Differenzen.

Zur Anwendung der Ephemeride auf Beobachtungen des Kraters interpoliere man $\alpha_☾ - \alpha_k$, $\delta_☾ - \delta_k$ und $\log \sin p_k$ mit der Beobachtungszeit. Fügt man alsdann $\alpha_☾ - \alpha_k$ und $\delta_☾ - \delta_k$ zum geozentrischen Ort des Kraters (die Parallaxe wird mit p_k und δ_k, der Deklination des Kraters, berechnet), so hat man die geozentrische AR. und Dekl. des Mondes für die Beobachtungszeit.

Hat man einen Punkt der Mondoberfläche mikrometrisch an Mösting A angeschlossen, so bestimme man zunächst die topozentrischen, d. h. mit Parallaxe behafteten Koordinatendifferenzen $\alpha'_☾ - \alpha'_k$ und $\delta'_☾ - \delta'_k$ zwischen Mondmittelpunkt und Mösting A aus folgenden Identitäten:

$$\alpha'_☾ - \alpha'_k = \alpha_☾ - \alpha_k + (\alpha'_☾ - \alpha_☾) - (\alpha'_k - \alpha_k)$$
$$\delta'_☾ - \delta'_k = \delta_☾ - \delta_k + (\delta'_☾ - \delta_☾) - (\delta'_k - \delta_k).$$

Verbindet man die so erhaltenen topozentrischen Abstände zwischen der Mondmitte und Mösting A mit den mikrometrischen Messungen zwischen Mösting A und einem zweiten Krater, so erhält man die topozentrische Lage des letzteren gegen die Mondmitte und kann hieraus mit Hülfe von $\alpha'_☾$ und $\delta'_☾$ und den Angaben auf Seite 58 die selenographische Länge und Breite des zweiten Kraters berechnen. Hierzu dienen die im folgenden angeführten Formeln.

Bezeichnet man mit α' und δ' die topozentrische AR. und Dekl. des an Mösting A angeschlossenen Kraters, so hat man:

$$s \sin \pi_m = (\alpha' - \alpha'_☾) \cos \tfrac{1}{2}(\delta' + \delta'_☾)$$
$$s \cos \pi_m = \delta' - \delta'_☾$$
$$\pi = \pi_m - \tfrac{1}{2}(\alpha' - \alpha'_☾) \sin \tfrac{1}{2}(\delta' + \delta'_☾)$$
$$\sin(K + s) = \sin s \operatorname{cosec} h'.$$

h' ist der Abstand des Kraters vom Mondschwerpunkt, gesehen vom Beobachtungsort aus, der aus h, dem vom Erdmittelpunkt aus gesehenen Abstand, durch Anbringen der Parallaxe gewonnen wird. Ist die Entfernung des Kraters vom Mondschwerpunkt gänzlich unbekannt, so möge für h der aus Sternbedeckungen folgende Wert des Mondhalbmessers 15′ 32″.59 (nach J. Peters, Astr. Nachr. Bd. 138, S. 147) eingesetzt werden.

$$\begin{aligned}
\sin d &= -\sin \delta'_{☾} \cos K + \cos \delta'_{☾} \sin K \cos \pi \\
\cos d \cos (a - \alpha'_{☾}) &= -\cos \delta'_{☾} \cos K - \sin \delta'_{☾} \sin K \cos \pi \\
\cos d \sin (a - \alpha'_{☾}) &= \sin K \sin \pi \\
\sin \beta &= \sin d \cos i - \cos d \sin i \sin (a - \Omega') \\
\cos \beta \sin \lambda' &= \sin d \sin i + \cos d \cos i \sin (a - \Omega') \\
\cos \beta \cos \lambda' &= \cos d \cos (a - \Omega') \\
\lambda &= \lambda' - 180° - L_{☾} - (\Delta - \Omega).
\end{aligned}$$

Die so erhaltenen Werte von λ und β beziehen sich auf den mittleren (vom Einfluß der physischen Libration freien) Mondäquator; die Transformation auf den wahren erfolgt durch die Korrektionen:

$$\begin{aligned}
d\lambda = {} & +12'' \sin M_{☾} - 59'' \sin M_{\odot} - 18'' \sin 2 (L_{☾} - M_{☾} - \Omega) \\
& + \operatorname{tg} \beta [-108'' \cos (L_{☾} - M_{☾} - \Omega + \lambda) + 37'' \cos (L_{☾} - M_{☾} - \Omega - \lambda) \\
& - 11'' \cos (L_{☾} - \Omega - \lambda)] \\
d\beta = {} & +108'' \sin (L_{☾} - M_{☾} - \Omega + \lambda) + 37'' \sin (L_{☾} - M_{☾} - \Omega - \lambda) \\
& - 11'' \sin (L_{☾} - \Omega - \lambda)
\end{aligned}$$

Bringt man diese Korrektionen $d\lambda$ und $d\beta$ an λ und β an, so erhält man die selenographischen Koordinaten des Kraters:

$$\lambda_0 = \lambda + d\lambda, \qquad \beta_0 = \beta + d\beta$$

Der Berechnung der Ephemeride des Kraters Mösting A liegen folgende von F. Hayn ermittelte Konstanten (Selenographische Koordinaten III, Seite 49) zugrunde:

$$\lambda_0 = -5° \, 10' \, 13'', \qquad \beta_0 = -3° \, 10' \, 58''$$

h = 15′ 34″.71 entsprechend der Parallaxe 57′ 2″.27

Für die Reduktion auf den mittleren Mondäquator wurden die Werte angenommen:

$$\begin{aligned}
d\lambda &= -12'' \sin M_{☾} + 59'' \sin M_{\odot} + 18'' \sin 2 (L_{☾} - M_{☾} - \Omega) \\
d\beta &= -145'' \sin (L_{☾} - M_{☾} - \Omega) + 11'' \sin (L_{☾} - \Omega),
\end{aligned}$$

so daß die auf den mittleren Mondäquator bezogenen selenographischen Koordinaten des Kraters Mösting A sind:

$$\lambda = \lambda_0 + d\lambda, \qquad \beta = \beta_0 + d\beta.$$

Die Formeln zur Berechnung der Ephemeride siehe in den Erläuterungen zum Jahrbuch 1916.

Ephemeriden der Grossen Planeten

(S. 64—112).

Die geozentrischen Örter der Planeten sind für Merkur, Venus und Mars von Tag zu Tag, für Jupiter, Saturn und Uranus von 2 zu 2 Tagen und für Neptun von 4 zu 4 Tagen mit ihren ersten Differenzen gegeben, und zwar in scheinbaren, d. h. auf das momentane wahre Äquinoktium bezogenen Koordinaten des scheinbaren Orts, für 0^h Mittlere Zeit Greenwich. Die letzte Spalte gibt die Mittlere Greenwicher Zeit der oberen Kulmination im Nullmeridian.

Für die Reduktion und die Vergleichung der Planetenbeobachtungen mit der Ephemeride ist die Kenntnis der scheinbaren Halbmesser erforderlich. Man kann für dieselben in der Einheit der Entfernung annehmen:

für	Merkur Halbmesser	. . . . .	3.34		
»	Venus »	. . . . .	8.78		
»	Mars »	. . . . .	4.68		
»	Jupiter »	(Äquatorial)	99.8,	(Polar)	92.6
»	Saturn »	(Äquatorial)	81.4,	(Polar)	73.4
»	Uranus »	. . . . .	34.7		
»	Neptun »	. . . . .	45		

Die heliozentrischen Ephemeriden der Planeten (S. 109—112) geben den Log. des Radiusvector, die Länge in der Bahn, deren Reduktion auf die Ekliptik und die Breite, außerdem bei den Planeten Jupiter, Saturn, Uranus und Neptun noch den bei Störungsrechnungen manchmal gebrauchten Winkel B_0, welchen der Radiusvector mit derjenigen Bahnebene macht, für welche die bei jedem Planeten gemachten Angaben über ☊ und i gelten.

Bei Jupiter, Saturn, Uranus und Neptun stellen ☊ und i die Bahnlage für die Epoche 1925.0 und das Normaläquinoktium 1925.0 dar; bei Merkur, Venus und Mars gelten sie für den Jahresanfang 1917.0 und sind bezogen auf das Äquinoktium 1925.0.

Die Genauigkeit und Ausführlichkeit dieser heliozentrischen Angaben sind ihrem Hauptzweck, zur Berechnung der speziellen Störungen zu dienen, angepaßt.

Die beigefügten Werte der Planetenmassen sind die den Tafeln von Newcomb und von Hill zugrunde liegenden. Für die Erde ist noch besonders zu erwähnen, daß die Masse von »Erde + Mond« gegeben ist, Radiusvector und heliozentrische Länge sich auf den Schwerpunkt des Systems »Erde + Mond« beziehen.

Mittlere Örter von 925 Fixsternen (S. 2*—25*).

Die mittleren Örter der 925 Fixsterne sind aus den Daten der Veröffentlichung Nr. 33 des *Königlichen Astronomischen Rechen-Instituts* mit den daselbst angegebenen Hilfsgrößen für Präzession und Eigenbewegung abgeleitet worden. Nur die mittleren Örter der 20 Polsterne sind durch mechanische Quadratur berechnet.

Scheinbare Örter von 573 Fixsternen (S. 26*—225*).

Die scheinbaren Örter der Fixsterne sind für den Moment der oberen Kulmination im Greenwicher Meridian gegeben und enthalten die kurzperiodischen Mondglieder der Nutation nicht; nur bei den 18 Polsternen ist deren Betrag gesondert unter der Überschrift ☾Gl. gegeben.

Zunächst werden die scheinbaren Örter von 555 Sternen von 10 zu 10 Sterntagen gegeben; in der ersten Spalte ist die Mittlere Greenwicher Zeit der Kulmination hinzugefügt.

Es folgen die scheinbaren Örter für 18 weniger als 10° von den Polen entfernte Sterne für jede obere Kulmination. Die Anordnung ist eine derartige, daß für jeden Zeitraum einer Seite sämtliche 9 (entweder nördliche oder südliche) Polsterne nebeneinander aufgeführt sind, wie es für den Gebrauch am geeignetsten erscheint. Die Glieder zweiter Ordnung der »Reduktion auf den scheinbaren Ort« sind hierbei berücksichtigt.

Am Fuß der Ephemeriden ist der mittlere Ort eines jeden Sterns für den Anfang des Jahres, außer für die Polsterne, wieder angegeben, dazu die Werte von tg δ und sec δ (bei den Polsternen, wenn nichts anderes angegeben, für die Deklination der Seitenmitte giltig), welche bei der Reduktion der Meridianbeobachtungen nach der hierfür am zweckmäßigsten erscheinenden Besselschen Formel gebraucht werden.

Die jährliche Parallaxe ist bei folgenden Sternen, bei denen sie 0″.20 übersteigt und hinreichend verbürgt erscheint, nämlich:

Nr. 59	τ Ceti	mit 0.31		Nr. 538	α Centauri	mit 0.75
Nr. 127	ε Eridani	» 0.32		Nr. 745	α Aquilae	» 0.23
Nr. 257	α Can. maj.	» 0.38		Nr. 793	61 Cygni	» 0.30
Nr. 291	α Can. min.	» 0.33				

bereits berücksichtigt. Von den nicht mit Ephemeriden versehenen Sternen des F. K. besitzt noch Nr. 825, ε Indi eine Parallaxe von 0″.25.

Reduktionsgrössen (S. 226*—262*).

Auf die scheinbaren Örter der Sterne folgt S. 226* eine Zusammenstellung der Werte, mit welchen die Reduktionsgrößen der darauf folgenden Tafeln berechnet sind, und der Formeln für die Reduktion auf den scheinbaren Ort.

Die Größen zur »Reduktion auf den scheinbaren Ort« sind in ihrer *ersten* Form: A, B, C, D, E; A', B' gegeben für 0^h Sternzeit des Meridians von Greenwich:

1) Auf S. 227* im Intervall von 10 Sterntagen; hier sind die von der Mondlänge abhängigen Glieder A' und B' nicht angegeben.

Diese Tafel soll zur Berechnung von Sternephemeriden für die Epochen der Meridiandurchgänge dienen. Um hierbei vollständige Übereinstimmung mit den Ephemeriden des Jahrbuchs zu erzielen, sind die Glieder $+0.00025 \sin(2L_\odot - \Omega)$ in A und $+0''.007 \cos(2L_\odot - \Omega)$ in B unterdrückt, worauf durch Anmerkungen hingewiesen wurde. Wegen ihrer logarithmischen Form und des großen Intervalls ist die Tafel zur Interpolation nicht geeignet. Man wird deshalb zweckmäßig die Interpolation erst nach der Summierung der einzelnen unmittelbar für die Epochen der Tafel berechneten Glieder vornehmen.

2) Auf S. 246*—254* für jeden Sterntag. Hier sind die numerischen Werte von A, B, C und D mit ihren Differenzen gegeben und die kurzperiodischen Mondglieder A' und B' mit angeführt.

Beiden Tafeln ist in einer Spalte die dem festen Sternzeitmoment jedesmal entsprechende Mittlere Zeit Greenwich vorangestellt; man wird hiernach auf jeden beliebigen Zeitpunkt, gegeben durch Datum, Sternzeit und Längendifferenz gegen Greenwich, übergehen können. Eine weitere Spalte gibt die seit Beginn des annus fictus verflossene Zeit in Bruchteilen des tropischen Jahres.

Die Reduktionsgrößen der *zweiten* Form: f, $\log g$, G, $\log h$, H, $\log i$ sowie f', g' und G' sind S. 228*—245* von Tag zu Tag für 12^h Mittlere Zeit Greenwich gegeben. Um den Gebrauch der Spalte $\log i$ zu erleichtern, sind an den Stellen, wo die Werte von i durch Null gehen, auch die numerischen Werte in besonderer Spalte hinzugefügt.

Auch hier findet sich eine Spalte, t überschrieben, welche die seit Beginn des annus fictus verflossene Zeit in Bruchteilen des tropischen Jahres gibt.

Die Seiten mit ungerader Seitenzahl enthalten außer den schon erwähnten f', g', G' noch folgende Größen:

a) ψ = Allgemeine Präzession seit 1917.0.
b) $\Delta\psi$ = Langperiodische Glieder der Nutation in Länge.
c) $\Delta\psi'$ = Kurzperiodische Glieder der Nutation in Länge.
d) Die wahre Schiefe der Ekliptik.
e) $\Delta\varepsilon$ = Langperiodische Glieder der Nutation in Schiefe.
f) $\Delta\varepsilon'$ = Kurzperiodische Glieder der Nutation in Schiefe.

Die mittlere Schiefe der Epoche erhält man durch Subtraktion der Gesamtnutation ($\Delta\varepsilon + \Delta\varepsilon'$) von der wahren Schiefe (in Spalte d).

Weitere Reduktionsgrößen folgen auf Seite 255*—257*. Es sind dies zunächst die rechtwinkligen äquatorialen Sonnenkoordinaten, bezogen auf das Normaläquinoktium 1925.0, die hauptsächlich zur Berechnung von genaueren Ephemeriden kleiner Planeten nützlich sind. Die auf den gleichen Seiten gegebenen Größen f, $\log g$ und G dienen zur Übertragung der Örter von dem mittleren Normaläquinoktium $t_2 = 1925.0$ auf das instantane wahre Äquinoktium t_1.

Auf Seite 259* findet sich eine Tafel der Hilfsgrößen zur Übertragung der Polsternörter von verschiedenen mittleren Äquinoktien auf das mittlere Äquinoktium von 1917.0 sowie eine Tafel der Hilfsgrößen zur Berechnung der Präzession von verschiedenen mittleren Äquinoktien bis 1917.0.

Eine Tafel zur Übertragung von Sternörtern vom mittleren Äquinoktium von 1917.0 auf das Normaläquinoktium 1925.0 (auf Seite 260* bis 262*) beschließt die Sammlung der Tafeln der Reduktionsgrößen.

Sonnen- und Mondfinsternisse (S. 264*—274*).

Die Angaben über die Finsternisse sind den von dem Bureau des Longitudes, Paris, gemachten Mitteilungen entnommen; über ihre Grundlagen enthält die Connaissance des Temps das Erforderliche.

Über die Verwendung der bei den Sonnenfinsternissen gegebenen Besselschen Elemente zur Vorausberechnung der Phasenzeiten und der Positionswinkel der Kontakte siehe die Erläuterungen zum Jahrbuch 1916, die auch ein durchgeführtes Zahlenbeispiel enthalten.

(μ' ist nicht mehr tabuliert und durchgangs = 15 anzusetzen.)

Sternbedeckungen durch den Mond (S. 325*—328*).

Aus den seitens des Nautical Almanac Office, Washington, übermittelten Angaben über die Sternbedeckungen im Jahre 1917 wurden die an irgend einem Ort in Mitteleuropa (das Gebiet gelegen zwischen $+45^0$ und $+55^0$ geographischer Breite und $0^h\,25^m$ und $1^h\,25^m$ östlicher Greenwicher Länge) beobachtbaren Bedeckungen ausgezogen. Für diese sind gegeben:

1) ein Verzeichnis der bedeckten Sterne; die angegebenen Nummern beziehen sich auf den: Catalogue of Zodiacal Stars by H. B. Hedrick, veröffentlicht in: Astronomical Papers of the American Ephemeris, Vol. VIII, Part III.
2) die Mittlere Greenwicher Zeit der Konjunktion in Rektaszension von Mond und Gestirn.

Es soll mit diesen Angaben nur auf die Bedeckungen aufmerksam gemacht werden. Bezüglich der zur genaueren Vorausberechnung (siehe die Erläuterungen zum Jahrbuch 1916, die auch ein Beispiel enthalten) dienenden Elemente sei auf die American Ephemeris verwiesen.

Jupiterstrabanten (S. 275*—276*).

Die Seiten 275* und 276* enthalten die Zeitangaben für die Verfinsterungen der vier älteren Jupiterstrabanten in dem Schattenkegel des Jupiter; Ein- und Austritte sind durch beigefügtes E. und A. unterschieden.

Die Angaben sind den Mitteilungen des Bureau des Longitudes, Paris, entnommen. Genauere Angaben zum Zwecke der Ableitung geozentrischer Örter der Jupiterstrabanten finden sich in der Connaissance des Temps.

Saturnsring (S. 277*—280*, 292*).

Die Angaben für die scheinbare Größe des Saturn und für die Lage und Größe des Saturnsringes haben die folgende Bedeutung:

α Große Achse des Saturn.

β Scheinbare kleine Achse des Saturn.

p_a Phase; positiv, wenn der Ostrand, negativ, wenn der Westrand verdunkelt ist.

a Große Achse der Ringellipse.

b Kleine Achse der Ringellipse; positiv, wenn die nördliche, negativ, wenn die südliche Fläche des Ringes sichtbar ist.

U' Heliozentrische Länge des Saturn, gezählt auf der Ringebene vom aufsteigenden Knoten des Ringes in der Ekliptik an.

B' Erhöhungswinkel der Sonne über der Ringebene vom Saturn aus gesehen; nördlich positiv, südlich negativ.

P' Winkel der kleinen Achse der Ringellipse mit dem durch den Saturnsmittelpunkt gehenden Längenkreise; östlich positiv, westlich negativ.

U Geozentrische Länge des Saturn, gezählt auf der Ringebene vom aufsteigenden Knoten des Ringes im Erdäquator an.

B Erhöhungswinkel der Erde über der Ringebene vom Saturn aus gesehen; nördlich positiv, südlich negativ.

P Winkel der kleinen Achse der Ringellipse mit dem durch den Saturnsmittelpunkt gehenden Stundenkreise; östlich positiv, westlich negativ.

N Aufsteigender Knoten der Ringebene im Erdäquator, gezählt vom Äquinoktium an.

J Neigung der Ringebene gegen den Erdäquator.

ω Entfernung der Ekliptik vom Erdäquator, gemessen auf der Ringebene.

Es liegen folgende Bestimmungen nach Struve zugrunde:

Durchmesser des Saturn in der Entfernung 9.53887

Äquatorial $17''.47$ Polar $15''.65$

Lage des Saturnsringes gegen die Ekliptik und das Äquinoktium von 1889.25

$$\Omega_1 = 167^\circ\ 57'.0 \quad \text{und} \quad i_1 = 28^\circ\ 5'.6;$$

Durchmesser des Ringes in der Entfernung 9.53887

$$2R = 39''.35.$$

Saturnstrabanten (S. 281*—305*).

Alle Berechnungen über die Saturnstrabanten sind mit den von H. Struve in:

I. Beobachtungen der Saturnstrabanten, 1. Abteilung, 1. Supplementheft zu den »*Observations de Poulkova*«;

II. *Publications de l'Observatoire Central Nicolas*, Série II, Vol. XI,

abgeleiteten, in Astr. Nachr. Bd. 162, S. 325 u. ff. weiter verbesserten Elementen durchgeführt. Für die Halbachsen der 6 inneren Trabanten sind die auf Seite 239 der zweiten Abhandlung mittels der Saturnsmasse $\mu = \frac{1}{3500}$ rechnerisch abgeleiteten Werte angenommen.

Zunächst sind für die fünf inneren Trabanten auf den Seiten 281* bis 292* die Hilfsmittel gegeben, um in bequemer Weise ihre Positionen ableiten zu können. Sieht man hierbei von den Neigungen γ ab, so erhält man die rechtwinkeligen Koordinaten x und y des Trabanten in bezug auf ein Achsenkreuz, dessen Anfangspunkt im Mittelpunkt des Saturn gelegen ist, dessen X-Achse parallel der großen Achse des Ringes verläuft, positiv, wenn östlich, negativ, wenn westlich vom Saturn, und dessen positive Y-Achse mit dem durch den Saturnsmittelpunkt gehenden Stundenkreise den Winkel P einschließt, aus den Gleichungen:

$$x = \frac{a(\varDelta)}{\varDelta} \frac{1}{1+\zeta} \frac{r}{a} \sin(u-U)$$

$$y = \frac{a(\varDelta)}{\varDelta} \frac{1}{1+\zeta} \frac{r}{a} \sin B \cos(u-U).$$

$(\varDelta) = 9.53887$ bezeichnet den mittleren Wert der Entfernung Sonne—Saturn, $\varDelta$ ist die Entfernung Erde—Saturn, $u = L + (v - M)$ ist die wahre Länge des Trabanten vom Erdäquator an gezählt.

Ist genaueste Ortsbestimmung erforderlich, so darf man bei Mimas, Tethys und Rhea die Neigungen gegen den Saturnsäquator, da sie schon merklichere Werte annehmen, nicht mehr vernachlässigen; x und y ergeben sich dann aus:

$$x = \frac{a(\varDelta)}{\varDelta} \frac{1}{1+\zeta} \frac{r}{a} \sin(u-U)$$

$$y = \frac{a(\varDelta)}{\varDelta} \frac{1}{1+\zeta} \frac{r}{a} \sin B\,[\cos(u-U) + \sin\gamma \cot g\, B \sin(u-\vartheta)].$$

Die Werte von ϑ, der Länge des aufsteigenden Knotens der Trabantenbahn auf dem Saturnsäquator, gezählt vom Schnittpunkte des Saturnsäquators mit dem Erdäquator, finden sich auf Seite 292*; auch ist hier für Rhea γ, weil stärker mit der Zeit veränderlich, in Intervallen von 16 Tagen gegeben.

Will man aus x und y die Rektaszensions- und Deklinationsdifferenzen bestimmen, so dienen dazu die Gleichungen:

$$s \sin (p - P) = x$$
$$s \cos (p - P) = y$$
$$\Delta\alpha = \alpha_{tr} - \alpha_{pl} = \frac{1}{15} s \sin p \sec \delta_{tr}$$
$$\Delta\delta = \delta_{tr} - \delta_{pl} = s \cos p.$$

Auf den Seiten 293*—301* finden sich für die drei äußeren Trabanten Titan, Hyperion und Japetus, außer den Hilfsgrößen U, B und P, die Rektaszensions- und Deklinationsunterschiede gegen den Saturn in dem Sinne Trabant minus Planet. Die aus den Angaben des Berliner Jahrbuchs ermittelten Trabantenörter sind wahre Örter und beziehen sich auf das mittlere Äquinoktium der Epoche.

Zum Schluß enthalten die Seiten 302*—305* die Zeitangaben für die östlichen Elongationen von Mimas, Enceladus, Tethys, Dione, Rhea, ferner für die östlichen und westlichen Elongationen ($u - U = \pm 90°$) und für die oberen und unteren Konjunktionen ($u - U = 0°, 180°$) von Titan, Hyperion und Japetus mit Saturn; diese Zeitangaben für die Elongationen und Konjunktionen sind bereits für Lichtzeit korrigiert, also ohne weiteres mit den Beobachtungen vergleichbar.

Konstellationen (S. 306*).

In der Übersicht der Konstellationen des Jahres 1917 sind die hauptsächlichsten Planeten-Konstellationen gegeneinander und gegen Sonne, Mond und die Sterne 1. und 2. Größe, letztere nur soweit als die Differenz der Deklination zwischen Planet und Stern den Betrag von 1^0 nicht übersteigt, sowie die Angaben der Epochen, zu welchen sich die Planeten in gewissen Hauptpunkten ihrer Bahn und ihres synodischen Laufes befinden, zusammengestellt. — Die Konjunktionen der Planeten mit dem Mond und ihre gegenseitigen sind als Konjunktionen in AR. zu verstehen. Letztere sind nur insoweit berücksichtigt, als die Differenz der Deklinationen beider Planeten den Betrag von 3° nicht übersteigt. Für die Berechnung der Epochen der größten Helligkeit der Venus wurde für die Lichtstärke die Formel von G. Müller (*Publikation des Astro-phys. Observatoriums zu Potsdam,* Bd. VIII, Seite 197 ff.) zugrunde gelegt:

$$h = -4.004 + 0.01322\,\alpha + 0.0000004247\,\alpha^3 + 5 \log (r\Delta),$$

worin α (in Graden) den Winkel an der Venus im Dreieck Sonne—Venus—Erde, r und Δ die ihn einschließenden Seiten bezeichnen.

Hilfstafeln (S. 307*—324*).

Es folgt eine Reihe von häufig gebrauchten Hilfstafeln.

1) Tafeln für Präzessionswerte (S. 307*—309*).

a) Präzession in Rektaszension und Deklination (Seite 307*).

$$p_\alpha = m + n \sin \alpha \operatorname{tg} \delta$$
$$p_\delta = n \cos \alpha$$

b) Präzession in Länge und Breite (Seite 308* u. 309*).

$$p_\lambda = \psi + \pi \operatorname{tg} \beta \cos (\Pi - \lambda)$$
$$p_\beta = \pi \sin (\Pi - \lambda)$$

c) Präzessionswerte m, n, ψ, π, Π und die mittlere Schiefe der Ekliptik (Seite 307*).

Den Tafeln a) und b) liegen die Präzessionswerte für 1925.0 zugrunde. Über die Bedeutung der Bezeichnungen und die Zahlenwerte vergleiche die Erläuterungen zum Jahrbuch für 1916.

2) Tafel des halben Tagbogens (S. 310*—311*). Berechnet mit der Horizontalrefraktion 34'.9 für geographische Breiten von $+45^\circ$ bis $+55^\circ$ und Deklinationen von $+30^\circ$ bis -30°.

3) Reduktionstafeln für die Auf- und Untergangszeiten der Sonne und des Mondes (S. 312*—313*). Sie geben die Reduktion der für $+50^\circ$ Breite gültigen Zeiten, wie sie in den Ephemeriden enthalten sind, auf geographische Breiten zwischen $+45^\circ$ und $+55^\circ$ und sind mit der Horizontalrefraktion 34'.9 für das Erscheinen oder Verschwinden des oberen Gestirnsrandes gerechnet.

4) Eine Tafel für die Ermittelung eines Datums in der julianischen Periode (Seite 314*—317*.) Die Tafel besteht aus zwei Teilen: Der erste Teil (S. 314*—315*) gibt in vierjährigen Schaltperioden für die Jahre 0 bis 2000 die Anzahl der am 0. Januar seit Anfang der Julianischen Periode verflossenen Tage. Als Ergänzung gibt die Hilfstafel am Fuß der Seite die Anzahl der am 0. jedes Monats seit Beginn der Schaltperiode verflossenen Tage. Der zweite Teil (S. 316*—317*) gibt für die Jahre 1860—1940 unmittelbar die Anzahl der am 0. jedes Monats im gregorianischen Kalender seit Beginn der julianischen Periode verflossenen Tage.

5) Hilfstafeln zur Verwandlung von Mittlerer Zeit in Sternzeit (S. 318*) und von Sternzeit in Mittlere Zeit (S. 319*).

6) Eine Tafel zur Verwandlung von Stunden, Minuten und Sekunden in Dezimalteile des Tages und umgekehrt (S. 320*—321*).

7) Die Tafel zur Berechnung der optischen Mondlibration (S. 322*—323*) gibt mit dem Argument $\lambda - ☊$ die Werte $\Delta\lambda$, a und B entsprechend den Gleichungen:

$$\Delta\lambda = \frac{1}{\text{arc } 1'} \operatorname{tang}^2 \frac{1}{2} J \sin 2(\lambda - ☊)$$

$$a = -\cos(\lambda - ☊) \sin J$$

$$\operatorname{tang} B = -\sin(\lambda - ☊) \operatorname{tang} J$$

$J = 1^\circ\, 32'\, 6'' =$ Neigung des Mondäquators gegen die Ekliptik.

$☊ =$ Länge des aufsteigenden Knotens der Mondbahn auf der Ekliptik (s. S. 58).

$\lambda, \beta =$ Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort.

Bezeichnen noch $L_☾$ die mittlere Länge des Mondes, l' und b' die optische Libration der Mondmitte in selenographischer Länge und Breite, so ist:

$$l' = \lambda - L_☾ + \Delta\lambda - a(B - \beta)$$

$$b' = B - \beta$$

Der Winkel C, welchen der Mondmeridian des Mittelpunktes der scheinbaren Mondscheibe mit dem Stundenkreise bildet, ergibt sich aus der Gleichung:

$$\sin C = -\sin i \frac{\cos(L_☾ + l' + \Delta - ☋)}{\cos \delta_☾} = -\sin i \frac{\cos(\alpha_☾ - ☊')}{\cos b'},$$

worin $\alpha_☾$, $\delta_☾$ Rektaszension und Deklination des Mittelpunktes der Mondscheibe, gesehen vom Beobachtungort aus, bezeichnen; die anderen vorkommenden Größen i, Δ, ☋ und ☊' haben schon auf S. 340* ihre Erklärung gefunden.

8) Eine Tafel der Hilfsgrößen s und c (S. 324*) zur Berechnung der geozentrischen Breite φ' und der geozentrischen Entfernung ϱ eines Erdortes, ausgedrückt in Einheiten der großen Halbachse des Erdellipsoids, aus der geographischen Breite φ nach den Formeln:

$$\varrho \sin \varphi' = s \sin \varphi$$

$$\varrho \cos \varphi' = c \cos \varphi$$

Darin haben s und c die Bedeutung:

$$s = \frac{1 - e^2}{\sqrt{1 - e^2 \sin^2 \varphi}}, \quad c = \frac{1}{\sqrt{1 - e^2 \sin^2 \varphi}}, \quad e = \sqrt{2\mathfrak{a} - \mathfrak{a}^2}$$

Gemäß den Beschlüssen der Pariser Ephemeridenkonferenz von 1911 ist dabei die Abplattung $\mathfrak{a} = \frac{1}{297.0}$ angenommen.

Koordinaten der Sternwarten (S. 329*—336*).

Die Seiten 329*—336* enthalten die geographischen und geozentrischen Koordinaten der Sternwarten.

Die Seehöhen sind in allen Fällen angegeben, wo sie sich einigermaßen sicher ermitteln ließen. Die Angaben sind zum größten Teil dem Verzeichnis von Prof. Auwers im *Geographischen Jahrbuch*, dem *Nautical Almanac* oder der *American Ephemeris* entnommen.

Die geographischen Längen sind auf den Meridian von Greenwich bezogen und dem entsprechend gibt die »Korrektion der Sternzeit« die Differenz: Sternzeit im Mittleren Ortsmittag minus Sternzeit im Mittleren Greenwicher Mittag an.

Die geozentrischen Koordinaten sind den Beschlüssen der Pariser Ephemeridenkonferenz vom Oktober 1911 gemäß unter Annahme der Abplattung 1 : 297.0 berechnet.

Bei Berechnung von log ϱ ist die Seehöhe berücksichtigt.

Das Verzeichnis hat im vorliegenden Jahrgang Zusätze, bezw. Änderungen, für die Lagen folgender Sternwarten erfahren:

Porto Alegre: nach den Astron. Nachr. Bd. 198, S. 231.
Stockholm: » handschriftlicher Mitteilung von Prof. Bohlin.

Berichtigungen.

Jahrgang 1916, S. 194* 1 Hev. Drac. Dez. 32 24″.51 statt 24″.41.
» 1917, S. 7* Nr. 223, β Columbae Mittlerer Ort um $+0^{s}.010$ zu verbessern.

Die Größe von Nr. 592, π Scorpii, ist seit 1908 (ebenso auch in Veröffentlichung Nr. 33) $3^{m}.0$ statt $4^{m}.1$ zu lesen.

Bahnelemente
und Oppositions-Ephemeriden

der

kleinen Planeten

für

1915

Nr. und Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
1 Ceres	Nov. 17	7.4	7.4	4.0	1913 Mai 5.0	d. Ep.	73° 53′ 9″.3	68° 40′ 32″.5
2 Pallas	Sept. 18	8.6	8.0	4.5	1913 Mai 5.0	d. Ep.	71 39 31.7	309 0 47.9
3 Juno	März 7	8.8	8.7	5.5	1913 Sept. 10.0	d. Ep.	317 57 25.6	245 42 48.0
4 Vesta	—	—	6.5	4.0	1857 Jan. 1.0*)	d. Ep.	198 20 2.8	147 10 40.2
5 Astraea	Okt. 23	10.1	9.9	6.9	1898 Sept. 11.0	1910.0	224 4 1.2	353 28 9.3
6 Hebe	Juni 15	8.8	8.5	5.8	1900 Juli 3.0	1910.0	284 20 20.1	236 56 30.6
7 Iris	—	—	8.4	5.8	1900 Jan. 0.0*)	1900.0	9 5 20.1	141 31 26.9
8 Flora	Juli 18	8.9	8.9	6.8	1848 Jan. 1.0*)	d. Ep.	35 52 49.3	282 38 15.6
9 Metis	Juli 11	9.4	8.9	6.3	1858 Juni 30.0	d. Ep.	57 4 34.7	2 32 16.9
10 Hygiea	Jan. 16	9.8	9.5	5.4	1898 Dez. 20.0	1910.0	291 20 17.9	308 57 0.0
11 Parthenope	April 7	9.5	9.3	6.5	1901 Okt. 26.0	1910.0	65 58 42.7	193 25 55.1
12 Victoria	—	—	9.7	7.2	1851 Jan. 0.0*)	d. Ep.	66 2 39.9	66 4 43.3
13 Egeria	Juni 29	10.2	9.7	6.7	1850 Jan. 0.0	1850.0	210 47 6.0	76 57 55.6
14 Irene	Okt. 23	10.5	9.7	6.6	1913 März 15.5	1910.0	350 53 55.7	92 21 12.6
15 Eunomia	Mai 18	9.4	8.6	5.4	1900 Jan. 0.0	d. Ep.	14 28 19.8	93 58 1.2
16 Psyche	Nov. 30	9.1	9.6	5.9	1899 Juli 27.0	1910.0	301 1 33.0	226 3 57.4
17 Thetis	Aug. 9	9.5	10.1	7.3	1911 Juli 26.0	1910.0	27 0 26.4	137 49 53.1
18 Melpomene	Sept. 21	7.7	9.3	6.9	1854 Jan. 0.0*)	d. Ep.	80 4 37.0	225 1 41.3
19 Fortuna	Febr. 6	10.0	9.8	7.1	1911 Jan. 27.0	1910.0	68 12 58.0	179 44 55.5
20 Massalia	Juli 25	9.8	9.2	6.5	1899 März 29.0	1910.0	76 24 22.5	253 47 7.4
21 Lutetia	März 7	10.9	10.1	7.4	1853 Jan. 2.0*)	1852.0	74 20 5.1	246 36 10.2
22 Kalliope	Juli 4	10.2	9.8	6.1	1898 Okt. 1.0	1910.0	96 34 37.0	351 57 0.4
23 Thalia	Aug. 28	11.5	10.5	7.3	1900 Jan. 3.0	1910.0	337 2 2.1	56 0 12.2
24 Themis	Juni 4	11.0	10.8	6.7	1905 Juni 27.0	1900.0	170 16 40.3	105 42 2.7
25 Phocaea	Jan. 6	11.9	10.5	7.9	1898 Aug. 2.0	1910.0	7 21 33.6	88 49 22.7
26 Proserpina	Okt. 13	10.9	10.5	7.3	1913 Febr. 25.0	1910.0	277 17 11.3	190 42 15.8
27 Euterpe	—	—	9.7	7.2	1873 Jan. 5.0*)	1870.0	90 32 27.0	354 8 6.0
28 Bellona	Juni 9	10.5	10.1	6.6	1912 Okt. 28.0	1910.0	274 51 15.6	340 18 8.7
29 Amphitrite	März 25	9.3	9.0	6.1	1855 Jan. 0.0*)	1870.0	198 1 40.2	59 42 14.8
30 Urania	April 23	10.6	9.9	7.4	1890 Juni 5.0	1910.0	239 51 48.5	83 41 38.7
31 Euphrosyne	Sept. 15	11.2	11.0	6.8	1899 Okt. 15.0	1910.0	327 7 12.3	60 23 44.4
32 Pomona	Juni 2	10.2	10.6	7.5	1855 Jan. 5.0*)	d. Ep.	223 54 39.3	332 38 53.4
33 Polyhymnia	März 7	13.4	11.8	8.2	1900 Jan. 0.0	1910.0	137 40 57.3	334 11 19.2
34 Circe	—	—	11.5	8.2	1897 Dez. 5.0	1910.0	288 24 37.6	326 54 50.4
35 Leukothea	Nov. 23	13.0	12.2	8.3	1913 Aug. 4.0	1910.0	74 53 35.5	210 0 14.9
36 Atalante	—	—	12.0	8.6	1912 April 21.5	1910.0	123 44 0	44 26 46.7
37 Fides	Sept. 10	10.0	10.4	7.2	1913 März 17.0	1910.0	90 21 16.3	59 34 2.2
38 Leda	Jan. 25	10.5	11.4	8.0	1897 Febr. 8.0	1910.0	31 52 32.7	166 10 19.4
39 Laetitia	—	—	9.5	6.0	1897 Jan. 19.0	1910.0	111 43 50.9	205 28 15.6
40 Harmonia	Sept. 5	8.9	9.2	6.9	1863 Jan. 0.0*)	d. Ep.	186 48 19.4	267 19 12.8

*) Mittlere Elemente

☊	*i*	*φ*	*μ*	log *a*	Autorität
80° 45′ 39.4″	10° 36′ 55.9″	4° 23′ 22.1″	770.7636″	0.4420569	Godward
172 56 47.8	34 42 2.5	13 46 37.9	769.2236	0.4426360	Farley
170 30 12.7	12 59 52.8	14 51 43.9	813.7734	0.4263354	Hind
103 23 20.1	7 8 6.2	5 6 4.4	977.63246	0.3732206	Leveau
141 39 24.5	5 20 3.2	11 1 8.5	858.1895	0.4109489	Farley
138 47 54.7	14 47 59.3	11 35 3.1	939.1860	0.3848366	R. Luther
260 33 44.3	5 28 1.2	13 20 50.2	962.5828	0.3777123	Riem
110 17 16.7	5 53 7.3	9 0 54.4	1086.3382	0.3426943	Downing
68 31 35.2	5 36 0.3	7 5 2.4	962.3390	0.3777857	Lesser
285 58 13.6	3 48 51.6	6 53 27.8	639.1669	0.4962615	E. Becker
125 23 31.9	4 37 51.4	5 44 1.0	923.9058	0.3895859	R. Luther
235 34 41.7	8 23 17.7	12 38 44.9	994.8347	0.3681705	Brünnow
43 11 37.6	16 32 24.3	4 59 48.7	857.9471	0.4110307	Samter
86 56 0.0	9 7 7.9	9 31 18.4	851.6135	0.413059	Esmiol
294 32 34.7	11 44 26.6	10 47 45.6	825.46059	0.4222069	Kamienstschikoff
150 39 24.8	3 4 25.9	7 50 18.3	710.5554	0.4656058	Schubert
125 8 54.2	5 36 33.4	7 40 4.2	913.55093	0.392849	Maywald
150 3 49.7	10 9 16.9	12 34 20.2	1020.1198	0.3609036	Schubert
211 14 7.0	1 32 59.8	9 7 17.0	929.98741	0.387686	Berberich
206 49 40.3	0 41 7.9	8 17 46.2	949.0005	0.3818268	Küstner
80 27 48.5	3 5 9.5	9 19 44.6	933.5544	0.3865780	Lesser
66 41 31.2	13 43 38.1	5 38 34.5	714.4288	0.4640317	Berberich
67 58 18.4	10 13 3.3	13 32 59.4	833.5369	0.4193879	Schubert
35 37 12.3	0 48 2.2	7 49 43.5	641.70063	0.4951161	Krueger
214 22 20.9	21 36 40.9	14 39 21.4	954.0992	0.3802754	Berberich
45 53 26.8	3 35 1.1	4 55 41.9	819.6392	0.424256	P. Neugebauer
93 51 20.1	1 35 30.4	10 0 56.0	986.6944	0.3705493	Hoppe
144 39 1.7	9 23 57.9	8 45 5.0	766.913	0.443507	v. d. Groeben
356 40 46.5	6 7 4.6	4 15 25.3	869.0352	0.4073128	E. Becker
308 25 1.9	2 6 2.7	7 21 5.1	975.3144	0.3739080	Günther
31 53 23.2	26 28 7.0	12 52 34.7	635.0803	0.4981187	Schubert
220 42 55.2	5 28 49.9	4 45 43.1	852.5880	0.4128449	Lesser
9 15 35.3	1 55 20.3	19 41 13.8	731.7057	0.4571134	Newcomb
184 58 12.9	5 27 21.7	6 4 35.9	805.6011	0.4292575	Auwers
355 3 19.7	8 4 55.2	12 53 12.7	683.7140	0.476755	Tietjen
359 15 7.6	18 36 44.0	17 26 19.0	779.3458	0.438851	Schubert
7 55 50.7	3 6 16.3	10 10 14.4	826.6670	0.421783	R. Luther
296 37 59.5	6 57 55.1	8 53 45.4	781.8518	0.4379215	Berberich
157 33 8.6	10 22 6.9	6 23 16.8	769.6407	0.4424791	Tietjen
93 34 54.2	4 15 48.4	2 40 13.6	1039.3353	0.3555006	Schubert

Nr. und Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
41 Daphne . .	—	—	10.5	7.0	1897 Okt. 6.0	1910.0	338° 8′ 41.4″	41° 50′ 23.8″
42 Isis	—	—	10.4	7.7	1910 Sept. 29.0	1910.0	38 28 10.7	234 56 28.5
43 Ariadne . .	—	—	10.0	7.9	1897 Okt. 6.0	1910.0	80 15 48.4	13 58 23.0
44 Nysa	Okt. 13	9.7	9.8	7.1	1911 Sept. 1.5	1910.0	250 50 0	340 33 5.3
45 Eugenia . .	April 20	10.2	10.7	7.3	1911 Mai 26.5	1910.0	26 55 0	82 43 5.7
46 Hestia . . .	—	—	10.6	7.7	1910 Nov. 28.0	1910.0	68 8 1.2	173 7 5.8
47 Aglaja . . .	Juni 25	10.5	11.2	7.5	1913 Febr. 5.0	1910.0	151 10 19.5	312 8 50.7
48 Doris	März 4	10.8	10.9	6.8	1890 Sept. 13.0	1910.0	277 3 7.4	251 36 27.2
49 Pales	April 28	12.1	11.0	7.0	1911 Aug. 15.0	1910.0	298 42 57	107 7 30.9
50 Virginia . .	Febr. 15	12.5	11.7	8.5	1890 April 6.0	1910.0	191 39 42.2	196 47 34.7
51 Nemausa . .	—	—	9.8	7.3	1889 Nov. 17.0	1910.0	254 26 43.1	358 30 22.4
52 Europa . . .	Aug. 31	10.6	10.3	6.2	1912 Jan. 22.5	1910.0	6 36 28.5	331 45 57.6
53 Kalypso . .	Aug. 30	11.9	11.5	8.4	1913 Febr. 25.0	1910.0	49 59 14.0	310 36 9.6
54 Alexandra .	März 16	11.3	10.9	7.6	1884 Aug. 15.0	1910.0	316 55 13.5	341 53 36.7
55 Pandora . .	Jan. 30	11.1	10.8	7.4	1911 März 19.5	1910.0	156 46 0.0	0 46 56.4
56 Melete . . .	April 29	10.7	11.3	8.2	1900 Dez. 30.0	1910.0	157 16 2.5	101 6 0.1
57 Mnemosyne	Okt. 3	10.1	10.7	6.5	1913 Juni 25.0	1910.0	184 0 11.2	207 1 55.0
58 Concordia .	Okt. 1	11.9	11.6	8.3	1865 Jan. 7.0*)	d. Ep.	21 24 4.2	27 50 14.7
59 Elpis	—	—	10.9	7.6	1865 Jan. 7.0	1910.0	334 18 57.1	207 58 24.0
60 Echo	Juli 16	12.0	11.1	8.5	1897 Okt. 6.0	1910.0	272 15 22.3	267 57 40.8
61 Danaë . . .	März 18	11.7	11.0	7.1	1900 April 14.0	1910.0	244 20 50.4	8 27 28.4
62 Erato	Sept. 13	12.1	12.3	8.2	1910 Nov. 21.5	1910.0	8 12 0.0	273 18 12.0
63 Ausonia . .	Dez. 31	10.6	9.9	7.3	1898 Febr. 3.0	1910.0	250 44 8.5	292 55 12.7
64 Angelina . .	Juli 26	11.1	10.5	7.2	1909 Febr. 1.5	1910.0	6 20 0.0	173 35 10.2
65 Cybele . . .	Nov. 18	11.5	11.0	6.4	1909 Dez. 23.0	1910.0	181 16 46.7	95 55 15.9
66 Maja	Nov. 30	11.1	12.2	9.0	1897 Juli 18.0	1910.0	277 24 16.1	40 10 30.9
67 Asia	Dez. 19	11.9	11.2	8.5	1897 Dez. 5.0	1910.0	201 20 50.1	103 20 15.8
68 Leto	—	—	10.5	7.0	1913 Aug. 24.0	1910.0	347 3 57.4	301 0 38.8
69 Hesperia . .	Sept. 9	11.0	10.7	6.8	1912 Jan. 19.5	1910.0	358 0 0	284 43 32.6
70 Panopaea .	Febr. 8	11.9	10.9	7.8	1890 Dez. 22.0	1910.0	305 21 16.5	252 49 41.9
71 Niobe . . .	April 17	9.8	10.7	7.3	1912 Okt. 8.0	1910.0	158 9 58.4	265 14 41.1
72 Feronia . .	Jan. 17	11.9	11.2	8.9	1897 Dez. 25.0	1910.0	166 4 16.3	100 27 8.7
73 Klytia . . .	Juni 9	12.2	12.0	8.8	1898 Aug. 2.0	1910.0	244 29 53.1	52 42 38.5
74 Galatea . .	Febr. 3	12.3	11.8	8.3	1911 März 19.5	1910.0	160 10 0.0	170 59 36.6
75 Eurydike . .	—	—	11.6	8.4	1897 Okt. 26.0	1910.0	32 23 13.9	335 34 7.7
76 Freia	März 23	11.9	12.0	7.4	1911 Juli 6.0	1910.0	222 10 32.0	235 24 48.2
77 Frigga . . .	—	—	11.1	7.9	1897 Okt. 6.0	1910.0	331 13 52.7	56 51 43.2
78 Diana . . .	Juli 11	11.6	10.6	7.5	1914 April 1.0	1910.0	48 32 56.5	149 26 14.1
79 Eurynome .	April 15	11.4	10.5	7.8	1911 März 28.0	1910.0	129 21 59.1	198 40 13.2
80 Sappho . . .	Jan. 25	11.2	10.6	8.2	1896 Okt. 11.0	1910.0	19 11 20.2	136 54 7.7

*) Mittlere Elemente

Ω	i	φ	μ	log a	Autorität
179° 2′ 48.″7	15° 55′ 33.″5	15° 26′ 36.″4	770.″4586	0.4421715	Berberich
84 18 9.5	8 33 1.0	12 48 4.4	929.11108	0.3879594	L. Becker
264 53 57.0	3 27 42.6	9 38 32.6	1084.7577	0.3431159	Prey
131 22 43.4	3 42 0.7	8 48 10.9	941.7363	0.3840515	Powalky
148 15 53.9	6 35 18.5	4 44 11.6	791.0695	0.4345280	Richter
181 21 7.7	2 17 38.7	9 38 0.9	884.45090	0.4022219	Karlinski
3 52 51.9	5 0 28.7	7 28 40.7	725.2692	0.459672	P. Neugebauer
184 50 59.0	6 30 23.4	3 30 16.7	645.5014	0.4934063	Powalky
288 16 51.1	3 9 28.1	13 28 1.8	654.1576	0.489550	P. V. Neugebauer
173 55 41.5	2 48 27.0	16 45 58.0	823.5561	0.4228757	Powalky
176 1 8.9	9 57 11.5	3 51 23.3	975.1593	0.3739540	Berberich
129 57 19.4	7 26 14.9	6 22 13.0	652.060	0.490479	Fabry
143 53 30.3	5 8 9.2	11 48 37.4	837.6982	0.417946	Tietjen
314 2 22.8	11 47 37.5	11 31 49.2	795.5362	0.4328978	Schultz
11 13 41.5	7 13 26.0	8 18 56.3	773.8612	0.4408957	A. Moeller
194 10 59.0	8 3 9.4	13 24 5.5	846.1114	0.4150527	R. Luther
200 4 0.8	15 11 43.0	6 38 15.5	634.7043	0.498290	Adolph
161 19 50.3	5 1 50.5	2 26 21.8	799.5964	0.4314238	Oppolzer
170 58 0.1	8 36 53.1	6 44 2.7	793.9788	0.4334651	Oppolzer
192 2 8.5	3 35 2.2	10 34 22.7	958.2244	0.3790263	C. H. F. Peters
334 23 28.2	18 15 3.1	9 29 23.8	688.3554	0.4747959	R. Luther
126 6 30.1	2 12 15.4	9 52 0.0	646.566	0.492929	Oppolzer
338 6 39.1	5 47 15.9	7 17 58.7	957.1671	0.3793459	Tietjen
311 1 40.8	1 19 37.6	7 17 59.7	807.9036	0.4284314	Oppolzer
158 50 52.9	3 28 52.3	5 45 43.0	557.40783	0.5358890	Fritsche
8 25 31.5	3 5 3.2	10 3 43.4	824.3940	0.422582	Maywald
203 4 10.5	5 59 10.5	10 47 54.5	942.3560	0.3838611	Frischauf
44 44 2.9	7 57 56.0	10 39 44.7	763.8870	0.444651	Th. Wolff
186 49 25.9	8 29 47.6	9 39 2.0	690.6731	0.4738227	Kowalczyk
48 23 54.9	11 38 23.5	10 22 15.9	838.9960	0.4174978	Richter
316 23 15.0	23 16 25.2	10 9 4.7	776.269	0.439996	P. Neugebauer
208 2 57.2	5 23 52.3	6 56 42.6	1040.3544	0.3552169	C. H. F. Peters
7 43 24.2	2 24 17.7	2 34 3.9	816.0117	0.4255401	Powalky
197 53 4.9	4 0 22.1	13 43 0.6	766.2730	0.4437487	Maywald
0 6 45.0	4 59 55.9	17 45 42.2	812.4299	0.4268137	Stockwell
212 4 0.9	2 3 7.8	9 58 25.8	564.54419	0.532206	Murmann
2 12 17.7	2 27 34.5	7 38 43.5	813.8298	0.4263153	Plath
333 49 59.3	8 40 6.1	11 53 8.8	836.2186	0.418458	v. Dubjago
206 38 50.2	4 35 55.8	10 59 25.5	927.85318	0.388352	Lachmann
218 49 35.1	8 37 17.6	11 34 29.9	1020.1089	0.3609067	P. V. Neugebauer

Nr. und Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
81 Terpsichore	April 13	12.7	11.8	8.2	1912 Aug. 19.5	1910.0	305° 44′ 0″	46° 14′ 50.5″
82 Alkmene	—	—	11.2	7.8	1915 Dez. 12.0	1925.0	352 10 13.6	107 45 54.6
83 Beatrix	Juli 31	11.5	11.3	8.6	1891 Jan. 11.0	1910.0	295 16 6.4	163 24 40.4
84 Klio	März 30	12.3	11.3	8.8	1912 Juli 20.0	1910.0	322 38 37.1	12 43 40.4
85 Io	Febr. 15	11.9	10.9	7.7	1889 Febr. 10.0	1910.0	180 9 35.1	120 16 17.9
86 Semele	—	—	12.4	8.3	1914 Sept. 8.5	1910.0	333 27 50	298 58 43
87 Sylvia	—	—	11.9	7.2	1909 April 8.5	1910.0	124 0 0	265 34 33.5
88 Thisbe	Febr. 2	11.7	10.8	7.4	1911 März 21.5	1910.0	244 40 0	30 50 45.1
89 Julia	Aug. 20	9.0	10.1	7.1	1911 Okt. 8.5	1910.0	0 17 31.6	43 55 1.7
90 Antiope	April 29	11.5	11.6	7.5	1912 Dez. 7.0	1910.0	134 29 1.2	236 50 48.2
91 Aegina	Juli 4	11.3	10.8	7.7	1897 Febr. 8.0	1910.0	54 32 6.9	71 55 32.8
92 Undina	—	—	10.9	6.7	1904 Febr. 13.0	1910.0	142 28 50.2	220 34 12.4
93 Minerva	Jan. 3	11.6	10.8	7.4	1875 Jan. 0.0	1875.0	278 31 39	269 44 33
94 Aurora	März 22	11.5	11.3	7.1	1883 Juli 12.0	1910.0	256 3 4.3	45 22 37.9
95 Arethusa	Okt. 3	10.5	11.3	7.3	1913 April 26.0	1910.0	182 30 40.6	148 12 54.4
96 Aegle	—	—	11.4	7.4	1912 Juni 30.5	1910.0	98 23 40	200 34 30.1
97 Klotho	—	—	10.6	7.4	1912 April 15.5	1910.0	118 5 0	264 36 8.8
98 Ianthe	—	—	12.7	9.4	1894 Jan. 15.0	1910.0	331 2 34.3	154 49 36.4
99 Dike			14	10.5	1868 Juni 5.0	1910.0	350 36 11	198 52 56
100 Hekate	Febr. 15	12.6	11.9	7.8	1911 Juni 9.5	1910.0	323 25 0.0	176 49 53.2
101 Helena	—	—	10.7	7.6	1877 Dez. 10.0	1880.0	99 46 33	343 57 7
102 Miriam	Mai 27	12.8	12.6	9.4	1898 Juli 13.0	1910.0	319 11 42.8	143 38 29.9
103 Hera	Febr. 25	10.6	10.2	6.9	1895 Nov. 26.0	1895.0	76 9 2	185 15 25
104 Klymene	Febr. 1	11.8	12.2	8.0	1897 Dez. 25.0	1910.0	35 9 54.6	20 0 49.1
105 Artemis	Juni 30	10.3	11.1	8.5	1896 Nov. 20.0*)	1900.0	353 59 41	54 48 51
106 Dione	Jan. 3	11.0	11.3	7.2	1910 Febr. 21.0	1910.0	108 23 21.0	324 54 49.2
107 Camilla	—	—	11.2	6.5	1911 Mai 19.5	1910.0	126 6 0	293 57 59.6
108 Hecuba	März 30	11.1	11.7	7.4	1911 Sept. 24.0	1910.0	159 37 59.5	172 26 42.4
109 Felicitas	März 1	11.9	12.0	8.7	1911 April 18.5	1910.0	113 12 0	52 23 6.6
110 Lydia	März 12	10.9	10.5	7.1	1901 Febr. 13.0	1910.0	150 32 10.1	281 13 26.2
111 Ate	Mai 13	11.5	11.3	8.2	1911 Mai 25.5	1910.0	130 13 0.0	163 34 48.8
112 Iphigenia	Juni 25	11.1	11.5	8.8	1897 Dez. 25.0	1910.0	88 12 11.4	14 7 51.7
113 Amalthea	März 28	10.4	11.0	8.4	1915 März 17.0	1925.0	345 25 53.5	76 0 56.3
114 Kassandra	Aug. 31	11.8	11.1	7.8	1889 Sept. 18.0	1910.0	211 30 3.4	348 48 30.0
115 Thyra	Aug 2	10.2	10.4	7.8	1890 Jan. 0.0*)	1900.0	299 31 42	94 15 37
116 Sirona	März 6	9.9	10.7	7.3	1911 Mai 25.5	1910.0	71 42 0	90 3 0
117 Lomia	Febr. 14	11.4	11.4	7.5	1914 Jan. 6.0	1910.0	10 43 35.4	61 50 43.3
118 Peitho	Juli 8	11.6	10.8	8.1	1911 Juli 6.0	1910.0	196 18 53.3	31 17 7.0
119 Althaea	Okt. 15	10.1	10.6	7.5	1894 Aug. 23.0	1894.0	332 43 50	168 2 24
120 Lachesis	—	—	11.7	7.6	1897 Nov. 15.0	1910.0	202 19 20.3	238 31 10.8

*) Mittlere Elemente

☊	i	φ	μ	log a	Autorität
2° 34′ 20.″8	7° 55′ 5.″5	12° 11′ 52.″3	736.″4126	0.4552569	Maywald
26 21 52.0	2 50 55.4	12 59 39.9	774.0926	0.4408091	W. Luther
27 47 22.4	4 59 49.4	4 51 24.3	935.9122	0.3858476	E. Becker
327 27 57.6	9 21 31.5	13 40 39.5	977.317	0.373314	P. Neugebauer
203 55 21.1	11 53 47.5	11 10 33.7	821.0524	0.4237571	v. d. Groeben
87 52 34	4 46 52	12 19 7	646.80	0.49282	Riem
75 15 57.6	10 53 1.7	5 26 44.5	545.3288	0.5422321	v. d. Groeben
277 51 59.5	5 14 54.8	9 26 6.4	771.1774	0.4419015	Kowalczyk
311 40 10.0	16 7 17.0	10 31 57.4	870.1467	0.4069428	Blondel
70 49 29.5	2 15 27.2	8 47 49.6	632.352	0.499365	Maywald
11 4 13.0	2 8 25.1	6 7 10.0	850.8763	0.4134268	Heuer
102 50 42.0	9 56 23.7	5 22 41.6	622.67957	0.5038280	Anderson
5 7 8	8 36 20	8 4 54	775.9214	0.44013	Leuschner
4 33 17.4	8 4 18.6	4 44 18.3	630.6584	0.5001416	Leppig
244 5 40.3	12 55 47.5	8 52 30.8	661.6186	0.486266	Schur
322 47 10.3	16 2 24.5	7 39 35.3	663.1502	0.4855965	Schulhof
160 57 9.4	11 45 29.3	14 51 9.7	813.5778	0.4264050	Maywald
354 27 5.1	15 33 47.6	10 49 11.3	805.3086	0.4293629	Riem
42 17 51	13 53 30	13 47 30	758.662	0.44664	Loewy u. Tisserand
128 26 39.4	6 23 7.5	9 16 58.5	651.5823	0.4906916	Stark
343 39 43	10 9 51	7 55 16	854.4377	0.41222	Leuschner
211 39 13.0	5 5 24.5	14 44 31.2	817.8380	0.4248929	C. H. F. Peters
136 12 23	5 24 39	4 34 6	798.6939	0.43175	Leuschner
43 13 29.2	2 52 54.6	8 32 48.6	632.5948	0.4992540	Berberich
188 7 15	21 30 0	10 6 12	970.4380	0.37536	Leuschner
63 10 51.0	4 35 55.0	9 14 4.3	625.17474	0.5026701	Berberich
176 14 1.0	9 51 39.6	3 56 39.0	544.1827	0.5428412	Matthiessen
352 27 26.5	4 23 34.1	6 1 26.9	617.91149	0.506054	Schulhof
4 42 21.8	8 1 1.3	17 12 53.0	801.3088	0.4308045	v. d. Groeben
57 14 3.9	5 59 12.9	4 32 38.7	785.37505	0.436620	Sternberg
306 39 51.1	4 56 20.2	5 58 35.2	849.4712	0.4139053	Holetschek
324 13 23.0	2 37 9.3	7 25 29.0	934.8048	0.3861905	Tietjen
123 27 56.7	5 2 19.2	5 0 42.5	968.7910	0.3758511	W. Luther
164 40 55.6	4 53 53.8	7 55 32.6	810.5220	0.4274945	Anton
309 12 2	11 35 8	11 6 59	966.3084	0.37659	Leuschner
64 42 11.5	3 35 10.3	7 57 30	769.3736	0.4425795	H. Oppenheim
349 19 11.8	14 55 42.0	1 21 35.2	685.7969	0.4758741	Fabry
47 40 5.0	7 46 40.4	9 27 2.0	932.77693	0.386819	Holetschek
203 54 3	5 43 54	4 36 2	855.4057	0.41189	Leuschner
342 45 48.8	7 0 16.6	3 30 1.0	645.4399	0.4934339	Plath

Nr. und Name	Opposition 1915	Gr.	*m*	*g*	Epoche und Oskulation	Mittl. Äqu.	*M*	*ω*
121 Hermione . .	Febr. 17	11.8	11.2	6.6	1910 April 22.0	1910.0	222° 43′ 6.5″	285° 25′ 49.8″
122 Gerda	—	—	11.5	7.2	1911 Mai 7.0	1910.0	24 32 10.8	11 7 46.8
123 Brunhild . .	April 28	12.3	11.8	8.5	1900 April 24.5*)	1910.0	0 39 10.7	121 44 28.5
124 Alkeste . . .	Okt. 4	10.5	10.3	7.1	1911 Okt. 29.5	1910.0	144 20 0	58 14 32.3
125 Liberatrix . .	—	—	11.2	7.8	1897 Jan. 19.0	1910.0	202 46 5.6	104 32 55.5
126 Velleda . . .	—	—	11.5	8.8	1899 Dez. 15.0	1910.0	81 58 56.5	325 47 25.0
127 Johanna . .	Febr. 1	10.2	10.5	7.1	1912 Juli 10.5	1910.0	164 25 49	90 26 21.5
128 Nemesis . .	März 4	11.1	10.6	7.2	1896 Juli 3.0*)	1900.0	101 41 9	299 56 32
129 Antigone . .	Dez. 16	11.2	10.3	6.6	1912 Febr. 11.5	1910.0	287 24 0	103 42 26.3
130 Elektra . . .	Dez. 3	9.7	10.6	6.5	1898 Aug. 22.0	1910.0	337 5 55.3	233 46 1.6
131 Vala	Juli 12	12.0	12.2	9.5	1898 Dez. 20.0	1910.0	288 37 28.9	155 56 24.1
132 Aethra . . .			10.9	8.0	1895 Nov. 30.5	1910.0	330 47 37.2	252 14 56.3
133 Cyrene . . .	Juni 5	10.5	11.3	7.3	1896 Dez. 10.0*)	1900.0	204 8 9	285 19 53
134 Sophrosyne .	—	—	11.1	8.1	1913 Juni 5.0	1910.0	187 50 17.6	82 15 15.8
135 Hertha . . .	Jan. 16	11.4	10.5	7.8	1898 Okt. 1.0	1910.0	33 3 56.2	337 7 56.5
136 Austria . . .	Jan. 23	11.8	11.2	8.9	1898 März 15.0	1910.0	211 14 20.2	130 28 54.5
137 Meliboea . .	Dez. 20	12.5	11.8	7.7	1898 Nov. 10.0	1910.0	80 12 0.8	105 35 51.7
138 Tolosa . . .	Jan. 26	12.7	11.8	9.1	1909 Sept. 20.5	1910.0	27 13 0	258 3 38.4
139 Juewa	Aug. 24	11.7	10.9	7.4	1897 Jan. 29.0*)	1900.0	155 29 57	162 12 34
140 Siwa	Nov. 26	11.8	11.4	8.0	1910 Febr. 16.0	1910.0	358 21 3.0	194 40 43.2
141 Lumen . . .	April 10	12.5	11.4	8.2	1890 Aug. 24.0	1910.0	321 2 54.7	54 13 35.4
142 Polana . . .	Dez. 14	12.7	12.2	9.5	1896 Dez. 10.0	1910.0	211 12 47.7	289 58 40.0
143 Adria	—	—	12.4	9.0	1891 Okt. 18.0	1910.0	160 45 41.3	248 47 46.1
144 Vibilia . . .	Dez. 13	10.0	10.7	7.5	1912 Febr. 7.5	1910.0	89 10 0	290 45 10.7
145 Adeona . . .	Aug. 7	12.1	11.3	8.1	1898 Aug. 22.0	1910.0	240 12 41.7	40 33 3.5
146 Lucina . . .	Mai 3	10.7	11.1	7.7	1898 Aug. 2.0	1910.0	89 1 10.2	140 57 36.7
147 Protogeneia .	Okt. 28	12.4	12.5	8.4	1898 Sept. 11.0	1910.0	348 52 58.8	122 45 45.6
148 Gallia	April 25	11.9	11.0	7.5	1910 April 2.0	1910.0	135 1 22.3	251 2 43.2
149 Medusa . . .	—	—	12.9	10.0	1910 Juli 31.0	1910.0	262 49 18.4	249 52 9.4
150 Nuwa	Mai 30	11.7	11.6	7.7	1911 Okt. 13.5	1910.0	14 30 0	146 41 42.7
151 Abundantia	April 29	11.7	11.9	8.8	1898 März 15.0	1910.0	9 18 20.9	130 21 2.4
152 Atala	—	—	12.2	8.1	1911 März 28.5	1910.0	92 16 0.0	42 56 33.6
153 Hilda	Dez. 5	13.3	12.6	7.3	1911 März 28.0	1910.0	285 17 29.0	54 13 51.1
154 Bertha . . .	Nov. 8	11.6	11.2	7.0	1910 Dez. 18.0	1910.0	260 14 33.6	164 40 8.3
155 Scylla			13.5	9.8	1875 Nov. 8.5	1910.0	339 4 47	39 9 57
156 Xanthippe .	Okt. 2	12.2	11.3	7.9	1903 Jan. 29.0	1900.0	210 16 9.4	334 33 43.4
157 Dejanira . .	Juli 7	14.7	13.7	10.6	1904 Nov. 17.5	1904.0	330 35 43.9	45 39 12.1
158 Koronis . . .	Jan. 21	12.2	12.3	8.7	1898 Aug. 22.0	1910.0	278 50 53.8	138 43 15.9
159 Aemilia . . .	Jan. 18	11.7	12.3	8.2	1897 Dez. 5.0	1910.0	324 40 17.3	331 52 54.3
160 Una	Dez. 23	11.5	11.8	8.4	1912 Febr. 9.5	1910.0	81 30 0	46 47 30.1

*) Mittlere Elemente

☊	i	φ	μ	log a	Autorität
75° 41′ 3″.6	7° 33′ 28″.8	8° 15′ 19″.1	555″.12285	0.5370783	Berberich
178 46 22.6	1 36 36.0	3 11 10.4	614.37381	0.507714	Lange
308 34 59.7	6 25 0.9	6 57 45.0	801.9724	0.430565	Strömberg, Hernlund
188 37 15.4	2 55 29.2	4 27 41.2	832.2976	0.4198186	Hall sen.
169 36 18.8	4 37 57.0	4 29 45.0	780.9349	0.4382611	Lange
23 27 7.7	2 56 26.5	6 3 52.3	931.5192	0.3872099	Heuer
31 53 43.8	8 15 42.7	3 47 29.9	775.8987	0.4401344	Maywald
76 39 30	6 15 18	7 16 50	777.8761	0.43940	Leuschner
137 58 12.8	12 10 1.8	12 15 18.0	729.5585	0.4579643	Austin
146 16 41.6	22 58 1.8	12 29 21.9	646.4298	0.4929901	Powalky
65 37 21.8	4 57 47.1	3 51 52.5	935.8550	0.3858654	Berberich
260 11 30.0	23 32 20.0	19 21 13.8	903.6882	0.3959920	W. Luther
321 10 39	7 13 53	7 49 26	661.6605	0.48625	Leuschner
346 11 29.2	11 36 45.1	6 39 4.4	864.0573	0.408976	Maywald
344 13 36.6	2 18 34.4	11 45 17.6	937.0637	0.3854917	Maywald
186 20 58.5	9 33 12.0	4 52 0.8	1025.7532	0.3593092	H. Oppenheim
203 47 40.2	13 21 7.8	12 46 22.0	645.4607	0.4934245	Lange
54 53 56.5	3 13 22.0	9 20 0.0	924.9117	0.3892709	v. d. Groeben
2 27 38	10 55 12	10 2 40	764.1684	0.44454	Leuschner
107 10 19.2	3 11 21.2	12 29 27.4	785.1904	0.4366877	v. d. Groeben
319 28 26.5	11 58 39.3	12 16 57.4	814.6615	0.4260196	Berberich
292 1 39.9	2 14 29.1	7 44 10.6	943.5246	0.3835023	L. Becker
333 54 46.0	11 30 13.3	4 8 20.2	773.3958	0.4410699	von Haerdtl
77 1 15.3	4 48 16.9	13 28 14.3	819.4849	0.4243104	Powalky
77 55 52.9	12 41 10.3	8 24 20.6	812.2212	0.4268882	Tietjen
84 26 43.8	13 5 8.8	3 39 14.6	791.4186	0.4344003	Berberich
251 21 33.7	1 54 15.5	2 2 8.6	638.8069	0.4964247	L. Becker
145 15 21.7	25 19 6.9	10 34 1.9	767.77183	0.4432035	L. Becker
158 47 35.8	0 55 46.4	3 52 47.6	1106.37588	0.3374026	Lange
207 50 0.6	2 8 18.4	7 20 7.3	687.7534	0.475049	H. Oppenheim
39 1 12.0	6 28 21.2	2 10 51.3	850.1245	0.4136827	Riem
41 5 0.5	12 13 21.2	4 12 12.4	637.2000	0.4971539	Lange
228 20 11.4	7 51 56.0	9 19 1.0	449.45588	0.598213	Kühnert
37 7 16.3	20 58 23.8	5 2 23.5	624.40618	0.5030263	Anton
43 20 30	14 4 31	14 49 28	713.7875	0.464292	Schulhof
242 43 10.3	9 39 1.8	12 55 24.2	785.6858	0.436505	Ebell
62 9 28.7	12 5 20.1	11 30 39.9	856.508	0.411518	Sternberg
281 12 13.9	1 0 0.7	3 17 38.9	730.4848	0.4575969	Maywald
135 12 3.7	6 4 55.0	5 37 45.9	647.4107	0.492551	Berberich
9 24 54.3	3 51 22.4	3 45 8.1	787.7290	0.435753	P. Neugebauer

Nr. und Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
161 Athor	—	—	11.0	8.4	1896 April 14.0*)	1900.0	72° 49′ 13″	291° 46′ 24″
162 Laurentia	Okt. 1	12.9	12.3	8.4	1912 Febr. 7.5	1910.0	347 0 0	106 2 42.9
163 Erigone	—	—	11.5	9.0	1907 Nov. 4.0	1910.0	334 40 45.7	295 29 18.5
164 Eva	Okt. 26	9.3	11.5	8.3	1910 Juni 1.0	1910.0	274 53 39.9	282 17 32.6
165 Loreley	Aug. 26	10.9	11.1	7.0	1911 Dez. 25.5	1910.0	164 46 0	342 30 12.7
166 Rhodope	Juni 10	13.1	12.5	9.2	1911 Juli 18.5	1910.0	287 18 36	261 28 49.8
167 Urda	Okt. 8	13.0	13.0	9.4	1898 Jan. 14.0	1910.0	197 17 5.7	121 7 43.9
168 Sibylla	—	—	11.6	7.1	1899 Mai 29.0	1910.0	218 22 50.2	174 26 31.9
169 Zelia	April 27	11.5	11.3	8.8	1890 Aug. 4.0	1910.0	328 1 8.3	332 10 48.8
170 Maria	Juni 23	12.0	11.7	8.7	1910 März 13.0	1910.0	66 0 9.6	156 19 5.9
171 Ophelia	—	—	12.1	8.0	1911 März 31.5	1910.0	27 40 0	50 27 33.1
172 Baucis	Aug. 21	9.6	10.4	7.8	1889 Juni 30.0	1910.0	316 43 41.4	356 48 28.3
173 Ino	—	—	11.0	7.6	1897 Jan. 19.0	1910.0	71 13 19.6	224 39 41.9
174 Phaedra	Juni 15	10.8	11.6	8.0	1893 Nov. 16.0*)	1900.0	201 5 28	286 3 40
175 Andromache	Febr. 27	13.2	12.3	8.0	1914 Jan. 11.0	1910.0	119 51 57.4	305 24 5.1
176 Iduna	Mai 15	12.8	12.1	7.9	1910 Juli 11.0	1910.0	271 34 16.1	182 41 34.5
177 Irma	—	—	12.4	9.0	1897 Jan. 19.0	1910.0	71 42 48.0	33 16 9.9
178 Belisana	Aug. 25	11.8	12.0	9.2	1910 März 13.0*)	1910.0	276 45 15.6	210 23 1.8
179 Klytæmnestra	Febr. 19	12.1	11.5	7.7	1893 Sept. 17.0*)	1900.0	89 22 45	100 51 48
180 Garumna	Juni 10	13.8	13.3	9.9	1899 Nov. 5.0	1910.0	308 53 34.6	169 12 38.1
181 Eucharis	Dez. 3	10.4	11.5	7.4	1887 Okt. 19.0	1910.0	305 49 36.6	310 26 20.5
182 Elsa	—	—	11.0	8.3	1897 März 20.0	1910.0	102 51 45.1	308 16 41.4
183 Istria	—	—	12.6	9.1	1900 Dez. 10.0	1910.0	15 39 20.2	262 21 44.2
184 Dejopeja	Okt. 12	12.7	12.4	8.2	1910 Dez. 18.0	1910.0	244 34 37.1	217 10 44.9
185 Eunike	Mai 3	10.7	10.0	6.6	1889 Aug. 29.0	1910.0	328 9 2.3	221 34 37.8
186 Celuta	Juli 27	10.6	11.4	8.9	1897 Aug. 27.0	1910.0	2 39 38.6	313 36 27.2
187 Lamberta	Aug. 27	11.6	11.4	8.0	1897 Aug. 27.0	1910.0	94 42 30.1	192 2 46.6
188 Menippe	Juli 2	12.0	13.0	9.6	1897 Sept. 1.0	1910.0	23 1 52.2	66 36 36.3
189 Phthia	April 9	11.8	11.5	8.8	1912 Juli 20.5	1910.0	295 2 47	166 0 10.0
190 Ismene	Juli 7	12.8	12.0	6.7	1910 Nov. 8.0	1910.0	327 17 17.8	286 44 42.4
191 Kolga	Febr. 18	12.3	12.0	8.3	1897 Juli 18.0	1910.0	271 52 28.4	224 21 12.1
192 Nausikaa	—	—	9.3	6.7	1888 Juli 25.0	1910.0	324 20 18.4	27 40 24.5
193 Ambrosia			12.2	9.2	1879 März 1.5	1910.0	63 50 16.0	77 7 21.5
194 Prokne	—	—	10.5	7.4	1899 Jan. 29.0	1910.0	130 9 24.2	160 37 18.4
195 Eurykleia	Sept. 24	12.8	12.6	8.9	1911 Dez. 15.5	1910.0	319 32 44	118 7 2.1
196 Philomela	Dez. 6	10.5	10.3	6.3	1901 April 9.0	1910.0	240 25 11.6	237 19 45.5
197 Arete	April 27	12.9	12.7	9.3	1900 Jan. 24.0	1910.0	134 40 9.5	243 28 47.4
198 Ampella	—	—	11.1	8.3	1910 Juli 31.0	1910.0	314 11 54.5	88 1 12.0
199 Byblis	Dez. 5	13.2	12.4	8.2	1909 Nov. 13.0	1910.0	138 47 14.4	171 8 9.7
200 Dynamene	Juli 19	11.5	11.3	7.9	1911 Aug. 26.5	1910.0	312 12 0	82 43 1.3

*) Mittlere Elemente

☊	i	φ	μ	log a	Autorität
18° 39′ 54″	9° 3′ 26″	7° 57′ 47″	966.″6573	0.37649	Leuschner
38 16 1.8	6 5 6.0	10 31 5.3	676.5719	0.4797951	Tietjen
160 15 7.2	4 46 38.3	11 1 54.1	974.2162	0.3742342	Berberich
77 25 24.6	24 20 38.1	20 22 0.7	830.75127	0.4205237	Richter
304 11 19.1	11 12 5.0	3 54 10.6	639.5300	0.4960971	Berberich
129 39 27.9	12 1 54.8	12 13 13.9	806.7683	0.4288385	Richter
166 38 10.8	2 10 45.6	1 59 3.7	736.5954	0.4551851	Lange
209 23 56.1	4 36 6.5	4 21 54.0	571.6864	0.5285658	v. d. Groeben
354 58 8.5	5 30 51.2	7 31 33.7	979.6462	0.3726249	Richter
301 23 56.1	14 21 9.7	3 38 8.4	868.72749	0.4074153	Lange
101 3 53.7	2 33 12.1	6 53 0.0	637.0859	0.497205	Berberich
332 11 35.0	10 2 10.4	6 32 18.8	965.9899	0.3766893	Berberich
148 53 6.9	14 15 36.8	11 51 44.6	780.8006	0.4383110	Becka
328 42 26	12 7 3	8 18 11	733.4324	0.45643	Leuschner
25 5 35.4	3 10 42.2	10 46 40.1	609.5741	0.5099867	Berberich
200 57 12.2	22 43 20.2	10 16 21.6	628.26359	0.5012431	P. Neugebauer
349 34 1.8	1 26 55.3	13 32 58.0	768.8406	0.4427802	Richter
50 57 38.4	1 54 39.6	2 33 17.4	919.413	0.39099	Osten
253 17 5	7 47 18	6 26 14	692.2030	0.47318	Leuschner
314 50 1.1	0 53 40.8	9 46 17.7	790.4612	0.4347507	v. d. Groeben
145 7 22.1	18 35 23.6	12 40 26.5	643.5438	0.4942856	de Ball
106 46 38.9	2 10 9.1	10 50 51.9	944.5132	0.3831990	Samter
142 54 44.3	26 25 59.5	20 27 8.2	760.4634	0.4459522	Petrelius
333 48 39.4	1 9 53.4	3 28 22.0	622.48092	0.5039204	Thraen
154 3 8.4	23 14 21.7	7 11 14.1	782.8522	0.4375512	Bauschinger
14 43 53.5	13 11 11.6	8 41 21.3	977.5884	0.3732337	Tietjen
22 22 32.4	10 41 24.8	13 36 43.5	785.6152	0.4365311	A. Leman
241 56 25.8	11 44 36.3	10 15 28.9	772.712	0.441326	Coniel
203 32 11.1	5 8 54.2	2 4 18.4	924.2246	0.3894861	H. Oppenheim
177 0 17.4	6 8 17.0	9 38 10.0	453.68733	0.5955000	Küstner
159 59 7.7	11 29 25.6	5 13 5.0	720.0541	0.4617609	L. Becker
343 33 25.4	6 51 40.6	14 9 22.7	952.4502	0.3807762	Lange
351 35 7.0	12 12 21.1	17 29 23.6	843.429	0.415972	Berberich
159 29 8.2	18 25 4.9	13 50 55.7	839.1447	0.4174465	Tietjen
7 52 26.6	7 0 9.8	2 25 31.9	727.0481	0.4589623	Riem
73 27 31.0	7 17 1.5	1 13 48.1	646.0377	0.4931658	P. V. Neugebauer
82 10 10.5	8 49 20.8	9 22 12.5	782.6498	0.4376261	Lange
268 24 5.6	9 18 6.5	13 8 54.7	920.04801	0.3907974	v. d. Groeben
89 40 27.7	15 24 49.2	10 31 43.7	630.79505	0.5000789	Tietjen
325 35 38.5	6 54 46.3	7 41 20.4	783.2517	0.437403	Bauschinger

Nr. und Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M ° ′ ″	ω ° ′ ″
201 Penelope . .	Dez. 27	12.2	11.9	8.6	1897 Nov. 15.0	1910.0	53 1 33.0	177 43 4.8
202 Chryseïs . .	Mai 22	10.8	10.7	6.7	1901 Okt. 26.0	1900.0	266 57 1.8	354 20 29.1
203 Pompeja . .	Sept. 11	11.5	11.7	8.3	1909 April 22.5	1910.0	163 4 0	53 43 25.2
204 Kallisto . . .	—	—	12.0	8.7	1912 März 9.5	1910.0	266 0 0	51 16 26.1
205 Martha . . .	Juli 3	12.7	12.7	9.2	1911 Sept. 2.5	1910.0	323 15 0	172 8 41.4
206 Hersilia . . .	Sept. 8	12.0	12.0	8.6	1910 Juli 15.5	1910.0	214 38 0	300 24 35.6
207 Hedda . . .	Jan. 1	11.9	11.8	9.5	1898 Febr. 3.0	1910.0	280 15 16.2	190 38 50.0
208 Lacrimosa . .	—	—	12.1	8.4	1901 Febr. 28.0	1900.0	48 1 1.4	105 15 3.3
209 Dido	Febr. 2	11.8	11.5	7.4	1912 Sept. 18.5	1910.0	92 33 0	249 39 35.2
210 Isabella . . .	Nov. 12	11.7	12.5	9.1	1901 Sept. 16.0	1900.0	308 49 2.6	11 45 5.7
211 Isolda	Aug. 10	11.7	11.5	7.5	1912 Jan. 14.5	1910.0	16 45 0	170 41 36.4
212 Medea	Juli 12	12.5	12.2	8.1	1899 Juli 28.0	1910.0	276 2 57.4	101 16 7.9
213 Lilaea	—	—	11.7	8.3	1909 Sept. 21.5	1910.0	60 42 50.0	158 35 27.9
214 Aschera . . .	Juli 28	12.3	12.1	9.0	1897 April 9.0	1910.0	72 5 59.3	128 5 43.8
215 Oenone . . .	—	—	12.7	9.3	1912 März 22.5	1910.0	209 5 16	314 6 30.5
216 Kleopatra . .	Dez. 6	9.0	10.1	6.6	1910 Okt. 7.5	1910.0	346 26 5.2	176 51 54
217 Eudora . . .	Dez. 21	13.9	13.1	9.5	1912 Febr. 2.5	1910.0	177 50 0	150 32 44.9
218 Bianca . . .	Sept. 24	11.8	11.4	8.2	1910 Juli 15.5	1910.0	50 15 33	58 48 58.8
219 Thusnelda .	März 27	12.3	11.2	8.8	1889 Jan. 21.0	1910.0	130 33 20.7	140 3 44.8
220 Stephania . .			13.6	11.0	1887 Jan. 0.5	1910.0	131 12 41.6	75 7 33.9
221 Eos	Juni 22	11.0	11.3	7.4	1898 März 15.0	1910.0	201 46 0.0	188 0 19.7
222 Lucia	Febr. 6	13.2	12.9	8.8	1899 März 30.0	1910.0	304 15 56.6	175 35 51.9
223 Rosa	April 9	13.2	13.3	9.2	1891 Dez. 17.0	1910.0	333 23 9.3	58 28 30.7
224 Oceana . . .	—	—	11.7	8.5	1890 Febr. 5.0	1910.0	225 24 48.8	276 55 27.0
225 Henrietta . .	Okt. 19	12.3	12.7	8.2	1903 Nov. 5.0	1910.0	88 41 26.8	97 37 49.8
226 Weringia . .	—	—	13.0	9.7	1891 Aug. 19.0	1910.0	30 52 14.2	150 8 45.9
227 Philosophia .	Juli 16	12.1	12.9	8.7	1896 Dez. 10.0	1910.0	283 51 33.6	254 29 42.9
228 Agathe . . .	Nov. 23	14.2	14.5	12.4	1908 Juli 25.5	1910.0	336 33 30	16 2 37.2
229 Adelinda . .	—	—	13.5	8.9	1908 Okt. 26.5	1910.0	51 30 54.4	303 18 41.0
230 Athamantis .	Aug. 16	10.1	10.3	7.7	1897 Okt. 26.0	1910.0	11 22 17.7	137 12 47.9
231 Vindobona .	Febr. 6	12.7	12.4	8.6	1898 Nov. 10.0	1910.0	164 32 2.0	264 0 35.1
232 Russia . . .	—	—	13.4	10.4	1901 Sept. 16.0	1910.0	159 56 8.4	48 35 13.8
233 Asterope . .	Nov. 27	11.2	11.3	8.1	1897 Aug. 27.0	1910.0	353 18 46.2	122 35 34.5
234 Barbara . . .	März 5	12.9	11.7	9.1	1898 Okt. 21.0	1910.0	33 57 10.0	190 6 58.4
235 Carolina . .	April 6	12.1	12.2	8.5	1897 Sept. 16.0	1910.0	73 32 29.3	207 24 29.7
236 Honoria . . .	—	—	11.4	7.9	1912 April 5.5	1910.0	202 23 0	170 30 20.7
237 Coelestina . .	Febr. 7	13.2	12.8	9.4	1911 März 22.5	1910.0	275 30 0	196 24 38.6
238 Hypatia . . .	—	—	11.7	8.0	1900 Dez. 10.0	1910.0	54 45 6.4	207 2 40.9
239 Adrastea . .	Okt. 1	12.6	14.0	10.2	1900 Dez. 10.0	1910.0	26 23 21.4	206 1 9.9
240 Vanadis . .	Dez. 5	11.3	12.5	9.3	1912 Febr. 16.5	1910.0	58 12 0	298 17 15.6

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°	′	″	°	′	″	°	′	″	″		
157	17	30.2	5	43	18.9	10	25	23.2	809.8362	0.4277396	Bauschinger
137	45	45.4	8	49	13.8	6	0	29.7	659.7604	0.4870802	Berberich
348	46	40.3	3	12	19.7	3	28	22.8	783.8434	0.4371849	Berberich
206	2	34.8	8	17	3.5	9	51	34.4	812.2343	0.4268835	A. Palisa
212	34	39.7	10	39	53.8	1	54	54.4	765.9190	0.4438825	Küstner
145	33	33.3	3	45	25.4	2	19	59.5	781.8154	0.437935	Stechert
29	5	52.3	3	49	3.8	1	39	3.3	1027.9888	0.3586788	Richter
5	26	27.5	1	47	19.2	0	52	56.3	721.4077	0.4612172	Berberich
2	8	19.7	7	14	33.2	3	46	48.4	636.9842	0.4972519	Bauschinger
33	4	45.2	5	17	20.7	7	0	36.5	790.2203	0.4348389	Berberich
265	28	46.4	3	52	0.2	9	15	38.8	669.000	0.4830537	Bauschinger
315	15	56.5	4	16	54.7	6	40	42.2	647.3973	0.4925571	L. Becker
122	36	4.4	6	46	27.7	8	19	49.1	777.0010	0.4397233	A. Leman
342	41	30.4	3	27	38.3	1	55	49.3	841.5265	0.416626	Tietjen
25	28	14.6	1	43	23.1	2	1	15.5	771.4115	0.4418137	Bauschinger
216	8	54.0	13	2	22.4	14	46	20.1	759.2003	0.4464335	Knopf
164	9	28.1	10	15	31.0	17	38	25.1	727.0438	0.4589640	Richter
171	10	12.2	15	12	11.0	6	36	19.6	814.1875	0.4261881	Bauschinger
201	5	2.9	10	47	16.8	12	54	38.9	982.2924	0.3718439	Darmer
258	52	26.3	7	34	13.7	14	53	43.7	984.634	0.371154	Bidschof
142	45	34.4	10	50	59.6	5	34	47.1	677.3539	0.4794607	Bauschinger
80	27	34.3	2	10	50.4	8	27	37.6	640.9934	0.4954353	Berberich
48	48	2.4	1	58	46.6	6	57	0.4	652.9855	0.4900687	Bauschinger
353	39	57.4	5	52	27.9	2	25	51.0	824.6755	0.4224824	S. Oppenheim
200	52	24.6	20	41	56.1	15	18	16.8	567.5897	0.530647	Cerulli
135	39	6.7	15	49	30.5	11	43	4.3	793.2109	0.433745	Kreutz
331	9	43.9	9	15	0.1	12	2	39.9	637.0300	0.4972311	Lange
313	44	55.4	2	33	21.6	13	55	0.2	1086.040	0.342774	Kreutz
30	53	4.5	2	9	24.8	8	11	15.6	561.4628	0.5337904	Berberich
239	53	16.0	9	25	11.6	3	32	52.8	964.9093	0.3770134	Richter
352	24	25.6	5	8	18.5	8	56	33.5	711.1049	0.4653820	Berberich
152	33	31.6	6	4	17.4	9	51	22.1	869.5956	0.4071263	v. d. Groeben
222	40	10.4	7	39	4.5	5	49	43.8	817.9445	0.4248552	Knopf
144	25	8.3	15	21	14.2	14	7	1.5	962.6609	0.3776889	Tietjen
66	42	2.0	9	4	3.2	3	31	18.9	725.2712	0.4596708	Tietjen
186	49	0.9	7	36	48.4	10	54	45.4	758.1024	0.446853	Bidschof
84	44	24.1	9	45	48.7	4	1	30.3	772.4775	0.4414139	Schwarz
184	35	15.0	12	23	12.7	5	10	15.7	715.9041	0.463434	Berberich
181	39	47.0	6	9	4.0	13	26	21.7	693.1222	0.472798	Berberich
114	55	52.6	2	5	52.9	11	54	32.0	814.7587	0.4259851	Berberich

Nr. und Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
241 Germania	Juni 14	11.1	11.2	7.2	1915 Juni 15.0	1925.0	286° 3′ 32.6″	76° 14′ 49.7″
242 Kriemhild	Febr. 7	12.0	12.6	9.0	1911 Mai 21.5	1910.0	97 30 0	274 28 16.5
243 Ida	Jan. 31	13.2	13.3	9.7	1910 Febr. 1.5	1910.0	43 16 22.0	104 57 1.6
244 Sita	April 16	14.5	13.7	11.7	1900 Okt. 11.0	1910.0	6 50 18.3	164 28 0.7
245 Vera	Juni 26	12.8	12.5	8.5	1897 März 20.0	1910.0	141 1 15.6	326 20 12.9
246 Asporina	—	—	11.7	8.4	1912 Mai 11.5	1910.0	332 30 0	94 5 7.1
247 Eukrate	Nov. 30	10.2	11.0	7.6	1915 Dez. 12.0	1925.0	14 18 30.4	53 24 12.1
248 Lameia	Jan. 9	13.3	13.0	10.2	1905 Aug. 6.0	1910.0	71 44 12.3	1 2 34.4
249 Ilse	—	—	13.6	11.1	1904 Dez. 29.0	1910.0	69 11 14.1	39 42 30.4
250 Bettina	—	—	11.5	7.3	1912 Juni 30.5	1910.0	192 54 30	66 3 47.2
251 Sophia	März 7	13.5	13.6	9.6	1912 Sept. 9.5	1910.0	265 18 50	288 20 55.2
252 Clementina	—	—	13.0	8.8	1901 Juli 18.0	1910.0	317 26 58.9	148 50 33.1
253 Mathilde	Okt. 26	12.2	13.4	10.2	1901 April 9.0	1910.0	256 52 2.1	153 38 18.0
254 Augusta	März 3	13.4	13.4	11.3	1887 Juli 31.0	1910.0	101 27 54.0	230 49 10.4
255 Oppavia	Okt. 3	14.2	13.8	10.4	1913 März 12.5	1910.0	7 32 11.8	149 5 37.0
256 Walpurga	Dez. 19	13.5	13.2	9.3	1906 Febr. 2.0	1910.0	254 22 31.1	48 28 9.1
257 Silesia	Aug. 2	13.0	12.8	8.7	1902 April 4.0	1910.0	106 36 49.5	25 21 31.9
258 Tyche	März 13	12.2	11.1	8.0	1904 Okt. 10.0	1900.0	4 23 24.3	152 52 26.8
259 Aletheia	Sept. 29	12.4	12.1	8.0	1899 Nov. 25.0	1910.0	162 11 23.4	156 52 33.7
260 Huberta	Jan. 10	14.2	13.9	9.2	1914 Jan. 31.0	1910.0	67 24 10.7	170 33 46.5
261 Prymno	—	—	11.5	9.0	1897 Nov. 15.0	1910.0	275 46 24.4	63 7 47.9
262 Valda	—	—	14.1	11.1	1901 Mai 19.0	1910.0	189 4 51.8	22 36 56.6
263 Dresda	Sept. 9	12.9	13.3	9.6	1903 Febr. 18.0	1910.0	133 51 41.8	158 3 22.8
264 Libussa	—	—	12.1	8.6	1895 Aug. 18.0	1910.0	316 59 55.7	336 41 5.1
265 Anna	Okt. 25	15.2	13.8	11.1	1915 Nov. 2.0	1910.0	175 37 1.4	251 15 57.9
266 Aline	Mai 12	12.4	11.7	8.2	1904 Jan. 4.0	1900.0	65 48 59.9	147 50 13.7
267 Tirza	Juli 11	13.4	14.0	10.5	1901 Juni 28.0	1910.0	4 14 46.5	193 22 52.6
268 Adorea	Aug. 11	13.0	12.5	8.5	1914 Mai 11.0	1910.0	44 59 38.0	58 28 22.1
269 Justitia	Jan. 22	13.6	12.7	9.6	1900 Okt. 31.0	1910.0	91 35 3.3	115 31 13.2
270 Anahita	Febr. 18	11.8	11.0	8.9	1910 Nov. 28.0	1910.0	69 42 14.1	78 32 57.1
271 Penthesilea	Jan. 17	12.8	12.8	8.9	1902 Aug. 22.0	1910.0	303 17 6.1	49 19 54.7
272 Antonia	—	—	13.6	10.1	1899 Juli 28.0	1910.0	208 59 58.9	65 32 12.4
273 Atropos	Sept. 9	11.1	11.6	9.0	1910 Febr. 2.5	1910.0	227 57 25.0	118 51 48.0
274 Philagoria	Mai 30	13.0	13.6	9.6	1905 Juli 17.0	1910.0	81 26 30.7	114 39 38.8
275 Sapientia	—	—	12.0	8.5	1912 Juli 10.5	1910.0	113 0 0	31 7 20.2
276 Adelheid	März 6	11.6	11.8	7.7	1905 Mai 18.0	1910.0	118 0 50.3	272 32 19.8
277 Elvira	—	—	13.1	9.4	1907 März 9.0	1910.0	156 48 17.8	131 37 27.2
278 Paulina	März 28	11.9	12.7	9.3	1906 April 23.0	1910.0	4 42 43.8	137 20 17.4
279 Thule	Nov. 1	13.9	13.8	8.1	1913 Juni 17.5	1910.0	358 35 20.7	220 43 38.9
280 Philia	Jan. 29	13.9	14.4	10.6	1900 Febr. 13.0	1910.0	39 45 20.2	80 58 25.3

Ω	i	φ	μ	log a	Autorität
° ' "	° ' "	° ' "	"		
272 4 40.1	5 30 2.5	5 49 27.5	666.8207	0.4839983	W. Luther
208 16 16.8	11 16 52.0	7 5 15.3	732.9031	0.4566401	Herz
326 14 27.5	1 9 23.6	2 43 0.0	733.1121	0.456558	Berberich
208 48 21.5	2 49 38.7	7 52 21.3	1106.6025	0.3373433	Berberich
62 9 21.1	5 11 20.0	11 37 34.2	651.4943	0.4907307	Tietjen
162 54 3.3	15 37 35.8	6 2 43.0	802.267	0.4304584	Seydler
0 25 55.0	25 5 44.2	13 51 55.4	781.8262	0.4379309	W. Luther
246 45 12.4	4 0 52.7	3 40 49.9	913.94026	0.3927259	Berberich
334 49 30.7	9 40 10.9	12 28 59.5	968.2498	0.3760128	Berberich
25 44 44.7	12 56 32.7	7 1 38.3	633.85003	0.498680	P. V. Neugebauer
156 56 53.5	10 29 21.1	5 38 31.8	650.380	0.491226	Berberich
203 12 39.2	9 59 40.2	4 15 39.6	632.1027	0.4994793	Charlois
180 9 24.1	6 38 16.5	15 28 16.9	824.9747	0.4223773	Knopf
28 28 40.6	4 32 3.2	6 58 7.6	1091.0836	0.3414323	Schwarz
14 21 29.6	9 30 42.0	4 39 47.9	779.504	0.438792	Berberich
183 38 34.4	13 17 58.1	3 43 37.0	683.2594	0.4769473	Berberich
35 41 14.3	3 41 49.7	7 18 8.3	646.6326	0.4928994	Berberich
207 43 26.2	14 15 2.4	11 52 56.0	838.8243	0.4175571	Stechert
88 37 4.1	10 42 43.7	6 20 43.1	635.21397	0.4980577	Ernst
167 29 18.8	6 21 49.6	7 15 46.3	556.737	0.536238	Hiller
96 28 8.3	3 38 28.6	5 9 55.5	996.7823	0.3676042	Riem
38 44 43.0	7 44 4.6	12 14 5.8	869.5200	0.4071513	Berberich
217 47 31.0	1 16 53.0	4 21 32.2	722.5549	0.4607572	v. d. Groeben
50 12 15.6	10 26 47.1	7 44 47.5	757.7014	0.4470056	Cerulli
335 24 21.4	25 40 52.1	15 25 30.6	942.6401	0.383774	Berberich
236 19 21.7	13 21 1.2	9 1 20.5	755.6505	0.4477904	Berberich
74 11 19.8	6 1 26.2	5 46 49.5	767.3626	0.4433373	v. d. Groeben
121 41 10.9	2 25 51.2	7 24 59.0	651.0349	0.490935	Berberich
157 37 9.8	5 25 49.2	12 18 39.7	838.9442	0.4175157	Berberich
254 27 59.2	2 21 38.4	8 38 46.0	1088.54983	0.3421055	Berberich
337 6 44.8	3 34 52.4	5 47 42.9	679.1966	0.4786741	Knopf
37 51 15.8	4 28 30.9	1 46 56.3	767.2554	0.4433777	Charlois
158 42 3.0	20 24 0.0	9 19 0.0	957.1000	0.3793662	Berberich
93 45 36.1	3 40 53.3	7 7 6.3	669.09610	0.4830121	Berberich
134 55 18.6	4 44 44.3	9 18 0.2	769.93398	0.4423688	Lange
211 36 29.4	21 35 30.5	4 7 12.9	645.07018	0.4935998	Hackenberg
233 17 5.0	1 8 0.1	5 18 42.5	724.6235	0.4599295	Berberich
62 20 28.0	7 49 44.6	7 47 48.7	776.6491	0.4398545	Berberich
75 20 6.6	2 21 2.6	3 39 49.0	397.6000	0.6337068	Wedemeyer
11 25 17.4	7 27 30.5	6 19 13.9	703.8816	0.4683380	Berberich

Nr. und Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M			ω		
							°	'	"	°	'	"
281 Lucretia . .	—	—	13.1	11.0	1906 März 21.5	1910.0	126	36	0	14	35	2.4
282 Clorinde . .	Juni 15	13.7	13.3	10.8	1905 Aug. 26.0	1910.0	277	9	37.1	294	43	20.3
283 Emma	Jan. 7	12.0	11.8	7.8	1912 Juni 0.5	1910.0	277	39	19	49	9	13.5
284 Amalia . . .	Okt. 8	12.6	12.9	10.4	1905 Dez. 24.0	1910.0	168	23	3.0	55	42	58.7
285 Regina . . .			14.9	10.9	1889 Aug. 19.5	1910.0	357	36	27.2	12	28	58.7
286 Iclea	Febr. 3	13.3	13.2	9.0	1905 Juni 7.0	1910.0	211	56	51.1	243	11	59.6
287 Nephthys . .	Dez. 3	10.9	10.7	8.2	1899 April 19.0	1910.0	311	52	37.9	117	32	38.4
288 Glauke . . .	Okt. 16	13.6	12.5	9.1	1915 Okt. 13.0	1925.0	178	25	28.8	80	38	20.9
289 Nenetta . . .	März 29	13.9	13.0	9.3	1912 Okt. 8.0	1910.0	355	2	55.3	186	59	40.3
290 Bruna	April 3	13.2	13.9	11.5	1890 Mai 7.5	1910.0	56	49	22.1	103	32	41.3
291 Alice	—	—	13.6	11.4	1905 Dez. 24.0	1910.0	337	18	6.1	329	28	13.1
292 Ludovica . .	Aug. 23	12.3	12.5	9.5	1902 April 4.0	1910.0	235	19	43.0	288	11	40.7
293 Brasilia . . .	Juli 31	13.4	12.9	9.2	1890 Juni 17.5	1910.0	92	28	41.4	82	22	24.6
294 Felicia . . .	Jan. 13	14.5	13.4	9.3	1913 Nov. 1.5	1910.0	66	39	36	179	13	4
295 Theresia . .	—	—	13.5	10.0	1900 Dez. 10.0	1910.0	8	35	38.2	143	48	50.9
296 Phaëtusa . .	Jan. 26	13.6	13.3	11.1	1890 Aug. 22.0	1910.0	330	33	11.7	250	4	4.6
297 Caecilia . . .	Jan. 1	13.8	13.3	9.1	1906 Juni 2.0	1910.0	300	21	16.8	346	24	30.3
298 Baptistina .	—	—	13.5	11.3	1906 Mai 13.0	1910.0	83	33	27.7	132	43	13.3
299 Thora	April 2	14.7	14.5	11.7	1903 Jan. 19.5	1910.0	83	26	9.5	147	35	9.9
300 Geraldina . .	—	—	12.5	8.2	1895 Juli 10.0	1910.0	336	44	54.3	283	3	2.7
301 Bavaria . . .	April 1	12.5	12.7	9.3	1904 Dez. 29.0	1910.0	192	29	38.5	120	31	11.9
302 Clarissa . . .	Mai 13	14.4	13.9	11.2	1901 Sept. 16.0	1910.0	291	57	23.5	53	1	48.0
303 Josephina . .	Juli 7	12.2	12.0	7.9	1914 Mai 11.5	1910.0	160	57	38.1	68	27	7.5
304 Olga	Nov. 20	12.0	12.4	9.7	1906 Febr. 2.0	1910.0	193	33	14.2	169	45	47.0
305 Gordonia . .	Juli 27	13.3	12.5	8.4	1905 Okt. 5.0	1910.0	281	49	57.0	250	36	56.1
306 Unitas . . .	—	—	10.7	8.2	1902 März 15.5	1910.0	240	21	9.1	165	31	57.6
307 Nike	—	—	13.1	9.4	1912 Mai 11.5	1910.0	171	46	23	320	29	5.7
308 Polyxo . . .	Aug. 9	10.8	11.0	7.6	1912 Juli 12.5	1910.0	138	37	46.9	111	41	6.2
309 Fraternitas .	—	—	12.7	9.5	1891 Mai 11.5	1910.0	239	5	58.0	332	8	15.9
310 Margarita . .	Sept. 10	14.1	13.5	10.1	1891 Mai 16.5	1900.0	43	37	28.5	318	27	8.9
311 Claudia . . .	April 14	12.9	13.0	9.3	1903 Dez. 15.0	1910.0	301	34	1.6	70	19	52.5
312 Pierretta . .	Nov. 28	13.3	12.5	9.0	1915 Nov. 18.5	1910.0	154	39	30	256	32	46.2
313 Chaldaea . .	Febr. 12	9.1	10.3	7.7	1915 Febr. 15.0	1910.0	10	16	50.4	314	1	59.6
314 Rosalia . . .	—	—	14.0	9.9	1907 Juli 7.0	1910.0	304	32	21.0	185	10	13.6
315 Constantia .	Dez. 18	14.3	14.0	11.8	1891 Sept. 4.5	1910.0	9	27	44.6	171	22	42.4
316 Goberta . . .	—	—	13.3	9.1	1912 Mai 1.0	1910.0	153	41	0	310	50	0
317 Roxane . . .	Juli 12	11.7	12.2	9.8	1904 März 24.0	1910.0	223	53	21.1	185	10	51.7
318 Magdalena .	Nov. 13	13.0	13.2	9.0	1912 April 11.0	1910.0	108	4	24.8	275	37	19.0
319 Leona	Juli 3	14.7	14.2	9.7	1912 Jan. 22.0	1910.0	61	25	57.4	216	7	7.9
320 Katharina . .	März 28	14.3	13.7	9.8	1912 Okt. 14.5	1910.0	17	30	0	142	54	14.8

☊	i	φ	μ	log a	Autorität
31° 18′ 2.7″	5° 19′ 37.6″	7° 35′ 40.8″	1096.419″	0.340020	Seydler
144 47 14.0	9 1 23.8	4 40 42.6	992.0943	0.3689684	Berberich
305 49 20.8	8 2 24.7	8 40 9.5	668.000	0.483487	Berberich
234 2 0.7	8 4 14.3	12 51 34.8	979.7243	0.3726018	Berberich
312 19 2.3	17 16 57.9	11 55 35.4	661.4827	0.4863254	Charlois
149 38 59.4	17 53 34.1	0 45 31.4	620.6276	0.5047837	Berberich
142 13 54.2	10 1 20.1	1 19 35.4	982.6631	0.371735	Cerulli
121 8 39.4	4 19 33.4	12 0 47.6	774.1309	0.4407948	R. Luther
182 30 39.4	6 39 20.6	11 40 1.3	727.9106	0.4586190	Berberich
10 35 19.4	22 13 28.1	15 4 22.7	995.1925	0.368066	S. Oppenheim
161 7 22.5	1 50 32.2	5 19 14.8	1071.1737	0.3467645	Berberich
43 13 3.2	14 52 14.6	1 38 57.0	881.5524	0.4031723	Berberich
62 20 54.1	15 45 20.9	6 48 2.9	730.8370	0.4574574	Charlois
136 53 1	6 14 37	14 1 6	637.17	0.49720	Stracke
277 34 14.1	2 40 23.3	9 49 31.5	758.6107	0.4466584	Berberich
121 1 53.2	1 44 47.3	9 6 25.9	1068.122	0.3475906	Coniel
333 34 56.7	7 34 41.9	7 57 28.4	629.2581	0.5007852	Berberich
8 7 5.8	6 17 37.4	5 28 22.7	1041.4193	0.3549207	Berberich
242 2 9.3	1 35 16.8	3 29 25.0	935.125	0.386091	Berberich
42 21 30.3	0 47 5.4	2 26 41.4	617.2655	0.5063564	Rodin
142 43 30.0	4 52 36.0	3 46 2.1	789.2832	0.4351825	Berberich
7 53 43.9	3 26 5.3	6 20 54.3	951.0353	0.381207	Berberich
345 5 37.2	6 55 29.4	4 7 26.5	644.5637	0.493827	Millosevich
158 53 56.4	15 47 16.1	12 49 46.2	952.9185	0.3806339	Berberich
211 11 17.9	4 25 2.2	11 33 54.0	654.8993	0.4892213	Berberich
141 43 35.3	7 15 13.9	8 40 35.6	980.0925	0.372493	Millosevich
101 43 34.0	6 6 42.4	8 16 29.7	715.9363	0.4634215	Knopf
182 5 15.8	4 21 20.0	2 3 29.6	777.930	0.439377	Fabry
358 7 59.8	3 56 18.3	5 1 56.0	831.679	0.420034	Berberich
230 37 4.6	3 7 7.3	6 39 44.6	774.1717	0.440780	Nordenmark
81 17 5.5	3 15 43.1	0 51 16.3	720.5678	0.4615545	Berberich
7 40 39.7	9 5 3.2	9 13 39.5	763.2695	0.444886	Berberich
176 32 9.6	11 36 26.8	10 30 46.0	969.2669	0.375709	Berberich
171 17 15.6	12 32 21.5	10 26 41.1	634.7188	0.4982835	Berberich
161 22 12.5	2 24 30.8	9 40 17.9	1057.2646	0.3505486	Bohlin
124 31 0	2 19 5	7 26 0	623.000	0.5036747	Berberich
150 50 32.5	1 45 18.0	4 50 38.8	1025.9378	0.3592571	Berberich
162 46 41.0	10 33 17.3	3 23 4.9	617.66571	0.5061688	Mader
189 3 34.3	10 43 54.5	12 10 30.1	563.02579	0.5329855	Berberich
221 12 36.2	9 19 16.0	6 41 30.5	677.426	0.479430	Berberich

Nr. und Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
321 Florentina . .	Sept. 8	13.1	13.2	9.5	1903 Febr. 18.0	1910.0	72° 54′ 39.7″	34° 0′ 40.1″
322 Phaeo	—	—	12.3	8.8	1905 Nov. 14.0	1910.0	38 46 38.3	111 32 54.5
323 Brucia			13.0	11.0	1892 Jan. 1.5	1891.0	43 0 42	292 17 48
324 Bamberga . .	April 14	11.3	9.9	6.6	1915 April 16.0	1910.0	213 35 48.8	41 31 39.9
325 Heidelberga .	März 8	12.5	12.4	8.1	1913 Dez. 2.0	1910.0	9 26 15.7	75 13 53.5
326 Tamara	—	—	11.1	8.7	1892 März 20.0	1910.0	298 49 14.0	236 57 34.2
327 Columbia . . .	März 18	13.1	13.0	9.5	1905 Febr. 7.0	1910.0	181 23 55.4	300 41 58.1
328 Gudrun	Juni 6	12.9	12.3	8.2	1911 Sept. 24.0	1910.0	273 59 20.6	101 45 45.1
329 Svea	Febr. 5	12.1	12.1	9.3	1901 Aug. 27.0	1910.0	120 9 24.9	38 30 56.3
330 Adalberta . .			13.5	11.7	1892 März 20.5	1892.0	181 3 42	— — —
331 Etheridgea . .	Nov. 1	12.0	12.5	8.5	1907 Febr. 17.0	1910.0	158 33 59.1	333 35 38.5
332 Siri	März 8	13.0	12.6	9.1	1906 März 14.0	1910.0	223 56 59.9	293 37 55.7
333 Badenia . . .	Dez. 25	12.4	12.7	8.6	1907 April 18.0	1910.0	215 17 59.6	14 14 18.9
334 Chicago	Aug. 27	12.0	12.0	6.8	1913 April 26.0	1910.0	216 55 13.6	234 7 36.5
335 Roberta	Juli 9	10.3	11.6	8.8	1906 Febr. 2.0	1910.0	205 28 47.7	140 50 43.9
336 Lacadiera . . .	Mai 31	11.2	11.8	9.6	1902 Juni 23.0	1910.0	49 57 10.9	28 49 41.1
337 Devosa	—	—	11.4	8.8	1901 Jan. 19.0	1910.0	27 7 6.0	95 40 16.9
338 Budrosa . . .	April 12	12.2	12.1	8.4	1899 Jan. 9.0	1910.0	72 15 37.1	106 31 3.0
339 Dorothea . . .	Jan. 5	13.1	12.8	8.8	1906 April 23.0	1910.0	246 3 47.7	155 59 18.6
340 Eduarda . . .	Nov. 1	12.3	12.9	9.5	1906 Nov. 9.0	1910.0	346 36 56.4	39 58 16.1
341 California . . .	Nov. 3	12.7	13.1	11.0	1907 Jan. 28.0	1910.0	172 9 40.7	291 20 59.2
342 Endymion . .	Mai 10	13.3	12.8	9.8	1906 Febr. 2.0	1910.0	33 2 34.6	221 45 48.4
343 Ostara	—	—	13.5	10.9	1907 Nov. 4.0	1910.0	7 5 31.6	7 10 41.2
344 Desiderata . .	Jan. 13	13.1	11.7	8.5	1913 Nov. 12.0	1910.0	93 52 35.6	233 54 35.0
345 Tercidina . . .	Febr. 28	11.2	11.2	8.8	1906 Okt. 20.0	1910.0	304 42 30.8	229 3 10.0
346 Hermentaria .	Okt. 7	10.9	11.5	8.0	1899 März 10.0	1910.0	156 0 38.3	287 6 50.9
347 Pariana	April 3	11.0	12.0	8.8	1906 Jan. 13.5	1910.0	309 39 11.0	83 32 9.5
348 May	April 24	13.1	12.9	9.1	1895 Mai 10.0	1910.0	143 12 22.8	4 58 1.5
349 Dembowska .	Mai 15	10.1	9.8	6.0	1912 Nov. 27.5	1910.0	51 11 0	340 30 13.5
350 Ornamenta . .	—	—	12.7	8.6	1907 Juli 7.0	1910.0	240 6 7.0	331 59 51.1
351 Yrsa	Dez. 19	11.5	12.2	8.8	1907 Jan. 28.0	1910.0	354 50 4.6	27 13 3.4
352 Gisela	—	—	12.1	10.0	1904 Juni 12.0	1910.0	255 25 57.5	142 27 24.3
353 Ruperto-Carola			14.2	10.9	1893 Febr. 22.5	1910.0	44 0 13.0	317 41 4.5
354 Eleonora . . .	Dez. 8	9.9	10.0	6.5	1913 Juni 5.0	1910.0	107 7 5.5	4 7 42.3
355 Gabriella . . .	Aug. 6	13.4	13.1	10.1	1905 Jan. 2.5	1910.0	12 25 36.0	94 32 55.4
356 Liguria	—	—	11.0	7.6	1907 Febr. 17.0	1910.0	64 49 7.3	74 23 55.2
357 Ninina	Jan. 24	12.2	12.2	8.0	1912 Juli 20.5	1910.0	293 5 0	242 29 42.0
358 Apollonia . . .	Sept. 16	12.0	12.5	8.8	1912 Jan. 2.5	1910.0	33 21 47	248 18 56.9
359 Georgia	Febr. 7	13.0	12.3	8.9	1902 Mai 2.5	1910.0	203 0 32.1	336 37 38.1
360 Carlova	Mai 28	12.8	11.9	8.0	1908 Jan. 3.0	1910.0	33 4 5.4	286 54 56.0

☊	*i*	*φ*	*μ*	log *a*	Autorität
40° 47′ 5″.0	2° 36′ 56″.6	2° 39′ 3″.1	723″.6554	0.4603165	Berberich
253 56 18.3	7 59 8.1	14 15 14.3	763.9060	0.4446445	Berberich
97 2 30	19 20 54	15 57 36	1119.60	0.333960	Berberich
328 40 34.0	11 14 32.7	19 43 7.4	807.0274	0.428746	Berberich
345 10 54.9	8 32 42.2	9 30 44.5	618.2410	0.5058992	Berberich
32 9 9.7	23 47 22.4	10 48 17.5	1005.7638	0.365007	Bidschof
355 39 44.3	7 9 11.2	3 41 18.3	766.8777	0.4435203	Berberich
353 11 10.7	16 7 19.3	6 56 3.4	649.1544	0.4917724	Berberich
178 28 13.5	16 0 36.7	1 35 42.6	912.1349	0.3932983	Pannekoek
358 46 36	19 58 36	— — —	1174.9	0.32000	Berberich
22 52 28.7	6 4 30.0	5 58 43.0	675.6718	0.4801805	Berberich
32 3 7.2	2 52 35.7	5 10 38.7	768.7492	0.4428147	Berberich
355 22 47.1	3 50 23.7	10 5 3.7	644.6123	0.4938053	Berberich
134 19 46.7	4 37 56.5	0 51 26.2	459.5144	0.591805	Berberich
147 55 31.6	5 5 49.9	10 22 10.8	912.6621	0.3931311	Berberich
235 1 13.3	5 38 30.7	5 28 48.1	1049.8478	0.3525869	Berberich
355 41 19.0	7 51 56.4	7 57 52.0	964.4421	0.3771536	Coniel
288 39 56.0	6 2 41.2	1 12 38.1	713.531	0.464396	Coniel
174 26 7.4	9 53 59.7	5 49 6.3	679.2158	0.4786658	Berberich
27 35 29.8	4 42 11.5	6 46 57.8	779.9016	0.4386445	Berberich
29 3 57.0	5 40 1.7	11 8 39.8	1087.7152	0.3423276	Berberich
233 0 11.1	7 20 46.9	7 22 8.5	862.0140	0.4096615	Berberich
38 41 38.8	3 18 13.0	13 22 54.8	947.8162	0.3821883	Berberich
48 58 58.1	18 36 36.9	18 24 4.3	851.0255	0.4133760	Berberich
212 31 31.0	9 44 20.7	3 30 29.0	1000.9051	0.3664092	Viaro
92 32 7.0	8 45 21.1	5 47 46.6	758.53251	0.446688	Ehrenfeucht
85 52 47.9	11 42 41.9	9 21 56.3	838.0358	0.4178294	Boccardi
90 45 49.6	9 45 30.5	3 49 50.1	693.6375	0.472584	P. V. Neugebauer
33 13 11.3	8 17 24.6	5 8 39.7	709.2917	0.466122	P. V. Neugebauer
90 39 23.5	24 44 31.8	8 44 29.1	643.0948	0.4944877	Berberich
99 40 26.2	9 13 56.4	8 52 21.2	770.7562	0.4420597	Berberich
247 18 51.6	3 22 0.5	8 36 26.8	1091.9690	0.3411975	Berberich
103 23 14.9	5 34 36.4	19 15 26.7	787.080	0.435992	Berberich
140 36 19.9	18 22 33.9	6 27 25.4	757.0389	0.447259	Ciscato
352 19 52.4	4 21 6.4	6 12 55.9	877.280	0.404580	Berberich
356 14 1.3	8 16 5.4	14 2 9.4	776.2821	0.4399913	Berberich
138 47 50.5	15 6 50.1	4 5 44.9	634.456	0.498404	P. V. Neugebauer
173 8 14.8	3 31 44.7	8 26 24.1	726.563	0.459155	Coniel
6 41 13.1	6 48 31.7	8 58 30.9	787.647	0.435783	Berberich
133 23 12.5	11 39 55.5	10 20 45.1	682.0180	0.4774739	Berberich

Nr. und Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
361 Bononia . .	—	—	13.3	8.0	1914 Nov. 27.0	1910.0	328° 13′ 41.2″	74° 5′ 1.8″
362 Havnia . . .	Aug. 15	11.1	11.1	8.0	1905 Febr. 7.0	1910.0	72 40 34.9	29 11 6.7
363 Padua . . .	—	—	11.6	8.2	1912 Mai 1.0	1910.0	237 52 36.6	290 50 12.5
364 Isara	—	—	11.7	9.5	1911 Nov. 15.5	1910.0	334 0 0	311 1 48.7
365 Corduba . .	—	—	12.2	8.7	1913 Juni 30.5	1910.0	248 3 0.0	212 54 30.0
366 Vincentina .	März 7	12.6	12.3	8.2	1904 März 24.0	1910.0	241 10 18.0	314 58 42.8
367 Amicitia . .	—	—	12.5	10.3	1906 März 28.5	1910.0	52 40 0.0	53 16 37.5
368 Haidea . . .	Aug. 11	12.3	13.5	9.5	1893 Juli 17.5	1910.0	317 18 49.4	85 6 56.3
369 Aëria	Aug. 16	12.3	12.7	9.5	1906 Juli 12.0	1910.0	287 6 32.8	266 17 7.5
370 Modestia . .	Dez. 7	12.7	12.8	10.4	1907 Juli 7.0	1910.0	292 33 33.7	66 1 12.1
371 Bohemia . .	Mai 17	11.4	11.8	8.4	1905 Febr. 7.0	1910.0	235 50 29.6	338 22 13.1
372 Palma . . .	Aug. 15	10.9	10.5	6.4	1915 Aug. 14.0	1910.0	267 59 46.7	112 49 4.6
373 Melusina . .	Sept. 25	11.9	12.8	8.7	1907 März 9.0	1910.0	165 50 25.5	347 42 45.3
374 Burgundia .	Mai 20	11.2	11.7	8.2	1906 Juni 2.0	1910.0	20 43 28.8	22 6 54.0
375 Ursula . . .	Sept. 17	10.5	11.0	6.9	1912 Febr. 11.5	1910.0	155 10 0	344 31 25.5
376 Geometria .	—	—	11.8	9.4	1904 Nov. 19.0	1910.0	171 38 36.4	314 16 28.2
377 Campania .	Okt. 6	11.1	11.5	8.2	1893 Okt. 7.5	1910.0	338 6 43.1	192 39 34.1
378 Holmia . . .	Juli 6	12.6	12.6	9.1	1906 Aug. 21.0	1910.0	301 48 59.4	153 47 51.8
379 Huenna . . .	—	—	12.6	8.5	1901 April 9.0	1910.0	210 5 22.9	177 18 16.1
380 Fiducia . . .	—	—	12.6	9.3	1894 Jan. 11.0	1910.0	129 58 51.0	237 3 32.6
381 Myrrha . . .	Dez. 6	13.0	12.4	8.1	1906 März 14.0	1910.0	266 28 42.8	142 59 18.2
382 Dodona . . .	—	—	12.1	8.1	1906 Mai 13.0	1910.0	9 20 17.0	267 5 53.6
383 Janina . . .	—	—	13.3	9.2	1908 Aug. 30.0	1910.0	290 32 49.4	313 43 28.9
384 Burdigala . .	—	—	11.7	8.5	1912 April 21.5	1910.0	126 0 0	30 33 43.4
385 Ilmatar . . .	Sept. 6	10.9	10.3	6.7	1904 Mai 3.0	1910.0	38 31 8.7	184 18 24.2
386 Siegena . . .	Juni 2	11.1	10.5	6.8	1906 Aug. 21.0	1910.0	317 54 55.1	217 39 48.2
387 Aquitania .	—	—	9.8	6.4	1895 Juli 3.5	1910.0	353 6 10.2	153 33 34.9
388 Charybdis .	März 12	12.0	11.7	7.8	1906 Juli 12.0	1910.0	338 15 19.8	322 41 28.4
389 Industria . .	Febr. 8	10.8	11.1	8.0	1899 Juni 18.0	1910.0	63 27 27.4	262 50 16.2
390 Alma	—	—	13.2	10.0	1899 Mai 17.0	1910.0	88 15 19.6	188 31 9.3
391 Ingeborg . .	Juli 28	11.8	13.2	10.8	1906 Jan. 13.0	1910.0	82 56 37.0	145 9 23.8
392 Wilhelmina .	—	—	12.2	8.3	1894 Nov. 4.5	1910.0	38 39 10.1	141 27 52.4
393 Lampetia . .	Jan. 28	12.6	11.0	7.6	1916 April 30.0	1910.0	296 35 52.6	86 33 20.9
394 Arduina . .	März 13	14.1	13.0	9.6	1894 Nov. 23.5	1910.0	55 25 12.3	265 38 37.7
395 Delia	März 15	13.1	13.0	9.5	1894 Dez. 3.5	1910.0	136 43 41.3	20 38 45.7
396 Aeolia . . .	—	—	13.2	9.7	1894 Dez. 2.5	1910.0	156 42 32.8	18 37 12.4
397 Vienna . . .	Sept. 27	10.5	12.2	9.0	1902 Okt. 1.0	1910.0	348 10 34.4	136 23 4.8
398 Admete . . .	Juni 25	14.8	13.7	10.4	1907 Nov. 4.5	1910.0	317 29 32.7	156 33 37.6
399 Persephone .	—	—	13.0	9.0	1907 Juli 7.0	1910.0	99 59 2.0	187 2 29.5
400 Ducrosa . .	—	—	14.5	10.4	1895 März 18.5	1910.0	337 44 19.1	229 27 12.8

Ω	i	φ	μ	log a	Autorität
19° 16′ 18.1″	12° 39′ 15.6″	12° 0′ 21.0″	453.6019″	0.595554	Berberich
27 23 27.4	8 4 45.0	2 31 4.1	857.1587	0.4112969	Berberich
65 5 27.7	5 57 58.3	4 6 41.5	778.617	0.439122	Antoniazzi
105 12 52.6	6 0 3.6	8 36 53.9	1072.5804	0.3463845	Berberich
185 54 15.1	12 43 37.8	9 1 30.0	756.583	0.447433	Berberich
347 59 13.4	10 35 26.9	3 27 2.7	636.2125	0.4976029	Berberich
83 7 23.4	2 57 0.7	5 28 31.2	1072.8626	0.3463083	Berberich
230 7 47.4	7 48 12.9	11 8 13.1	663.984	0.485231	Berberich
94 30 31.4	12 43 17.6	5 33 23.3	822.7067	0.4231744	Berberich
290 58 8.9	7 52 10.3	5 13 41.6	1001.1919	0.3663261	Berberich
284 12 12.3	7 22 41.4	3 35 52.8	788.4264	0.4354970	Mader
328 22 57.2	23 39 24.0	15 22 24.9	633.7389	0.498731	Berberich
4 26 22.4	15 27 4.2	8 34 43.1	646.5817	0.4929222	Berberich
219 35 36.2	8 57 56.2	4 37 44.9	765.5599	0.4440183	Berberich
337 27 33.3	15 57 18.0	5 41 17.0	640.8169	0.4955151	Heuer
302 13 7.9	5 25 21.7	9 54 46.1	1025.0162	0.3595172	Berberich
210 44 55.0	6 39 37.8	4 26 14.5	804.920	0.429503	Coniel
233 14 43.6	6 57 56.3	7 20 19.7	766.5723	0.4436357	Berberich
172 51 58.2	1 36 30.6	11 5 26.6	641.8494	0.4950490	Coniel
95 22 51.6	6 10 16.7	6 33 30.2	809.782	0.427760	P. V. Neugebauer
125 23 34.0	12 34 45.8	7 15 16.3	620.6242	0.5047852	Berberich
315 49 0.2	7 26 3.1	10 9 28.8	645.0171	0.4936236	Berberich
93 25 27.3	2 39 13.5	9 59 26.2	638.8727	0.4963949	Berberich
48 21 10.9	5 38 57.3	8 22 34.3	821.446	0.423618	Kromm
345 47 13.2	13 41 2.2	7 30 49.9	739.9493	0.4538697	Witt
167 7 26.1	20 15 35.6	9 34 42.5	719.3456	0.4620460	Berberich
128 46 8.2	17 57 51.9	13 47 16.3	782.6076	0.4376414	Ogburn
355 28 53.3	6 28 59.6	3 28 2.8	680.7507	0.4780123	Berberich
282 46 45.1	8 7 8.8	3 53 14.7	842.4772	0.416299	Peyra
305 34 11.1	12 8 55.9	7 28 40.3	821.022	0.423768	Coniel
212 42 11.7	23 2 49.0	18 0 7.6	1004.2640	0.3654391	Berberich
211 52 31.8	15 42 21.3	10 13 36.9	694.356	0.472283	Berberich
214 25 47.5	14 54 24.0	19 9 54.3	765.666	0.443978	Berberich
68 21 10.6	6 15 39.4	13 11 32.3	771.095	0.441933	Coniel
260 2 6.3	3 31 42.0	7 16 9.6	764.391	0.444461	Capon
251 27 25.2	2 37 50.3	10 18 30.4	782.986	0.437501	Coniel
228 41 31.0	12 43 45.7	14 18 6.6	829.1432	0.420918	H. Mader
280 38 14.2	9 29 36.6	12 49 55.4	782.8137	0.4375654	Franz
347 18 20.6	13 10 0.0	4 6 33.0	665.0959	0.4847482	Berberich
328 49 40.9	10 36 55.7	5 15 50.9	641.871	0.495039	Berberich

Nr. und Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
401 Ottilia	Aug. 6	12.6	12.6	8.2	1913 März 17.0	1910.0	285° 11′ 49.3″	200° 21′ 32.0″
402 Chloë	Jan. 2	10.2	10.7	7.7	1911 Jan. 30.5	1910.0	341 8 28.2	13 33 47.8
403 Cyane . . .	Aug. 25	12.5	12.0	8.5	1905 Juli 17.0	1910.0	153 9 6.5	247 54 30.1
404 Arsinoë . . .	Jan. 13	13.1	13.0	10.0	1905 Nov. 14.0	1910.0	214 53 8.0	118 51 5.8
405 Thia	Febr. 23	9.7	11.0	8.0	1912 Aug. 29.5	1910.0	118 33 0	305 12 7.9
406 Erna	Sept. 9	12.4	13.5	9.8	1910 Sept. 9.0	1910.0	355 6 43.8	34 38 0.0
407 Arachne . .	Mai 18	12.1	11.9	8.7	1907 Juli 27.0	1910.0	290 1 11.0	78 11 36.7
408 Fama	April 6	14.0	13.4	9.2	1895 Okt. 15.5	1910.0	354 28 32.9	100 36 33.0
409 Aspasia . . .	Sept. 20	10.9	10.7	7.6	1903 Okt. 19.5	1910.0	163 47 0.0	351 8 7.6
410 Chloris . . .	April 4	11.3	11.9	8.5	1906 April 17.5	1910.0	311 22 7.1	168 47 7.0
411 Xanthe . . .	—	—	12.5	8.7	1912 März 12.5	1910.0	260 0 0	177 59 24
412 Elisabetha .	März 17	11.7	11.9	8.5	1904 Dez. 29.0	1910.0	252 59 27.0	92 48 23.5
413 Edburga . .	Juli 13	10.6	12.2	9.2	1896 Jan. 10.5	1910.0	72 21 21.0	248 52 42.0
414 Liriope . . .	—	—	13.4	8.6	1910 April 2.0	1910.0	122 10 0.0	299 54 3.1
415 Palatia . . .	März 25	12.0	11.6	8.1	1910 Febr. 13.5	1910.0	52 16 0.0	293 39 15.0
416 Vaticana . .	Juni 26	10.1	11.5	8.0	1911 Nov. 15.5	1910.0	93 57 0	195 25 17.1
417 Suevia . . .	Juni 9	12.4	12.7	9.2	1907 Sept. 25.0	1910.0	186 5 50.0	343 18 38.4
418 Alemannia .	Febr. 18	13.1	12.6	9.5	1905 Dez. 24.0	1910.0	60 11 21	123 1 58.9
419 Aurelia . . .	—	—	11.1	8.0	1908 Mai 22.0	1910.0	338 37 48.2	40 32 43.9
420 Bertholda . .	Sept. 10	12.4	12.3	7.7	1913 Juli 15.0	1910.0	125 34 56.8	218 43 27.1
421 Zähringia . .	Mai 5	15.5	14.2	11.2	1912 Aug. 29.0	1910.0	315 8 23.1	206 41 23.8
422 Berolina . .	April 3	14.3	13.4	11.2	1896 Dez. 4.5	1910.0	43 3 30.9	333 4 23.2
423 Diotima . . .	April 14	11.1	11.2	7.2	1906 Sept. 30.0	1910.0	87 12 6.0	193 49 7.3
424 Gratia . . .	—	—	12.8	9.3	1912 Mai 1.5	1910.0	149 44 0	329 36 33.8
425 Cornelia . .	Nov. 13	13.3	13.1	9.4	1908 Mai 19.5	1910.0	46 0 0	118 48 56.6
426 Hippo	März 21	11.0	11.5	7.8	1897 Sept. 30.0	1910.0	172 10 55.2	221 45 45.3
427 Galene . . .	Jan. 14	13.4	12.8	9.0	1912 Juli 10.5	1910.0	349 48 0	5 55 16.4
428 Monachia . .	—	—	13.5	11.1	1900 Aug. 7.5	1910.0	300 39 10.6	13 51 45.2
429 Lotis	—	—	12.6	9.4	1905 Sept. 22.5	1910.0	331 42 21.7	166 36 34.0
430 Hybris . .	Juli 13	13.8	13.2	9.6	1898 Jan. 21.5	1910.0	15 12 12.0	174 56 25.2
431 Nephele . . .	Jan. 3	13.2	12.6	8.5	1911 März 31.5	1910.0	235 0 0.0	209 48 3.8
432 Pythia . . .	Nov. 20	12.0	11.3	8.7	1906 Febr. 2.0	1910.0	258 54 29.7	172 15 56.3
433 Eros	—	—	9.7	10.6	1914 Sept. 28.0	1910.0	267 11 1.2	177 50 23.3
434 Hungaria . .	—	—	11.8	10.4	1913 Nov. 12.0	1910.0	262 13 3.3	123 9 18.2
435 Ella	Jan. 2	12.2	12.1	9.3	1906 Nov. 9.0	1910.0	44 18 22.6	331 7 16.6
436 Patricia . . .	Sept. 12	12.5	12.9	8.7	1906 Febr. 2.0	1910.0	90 41 57.0	23 21 16.1
437 Rhodia . . .	Jan. 29	13.9	12.7	10.1	1913 Okt. 3.0	1910.0	31 5 39.5	59 18 59.9
438 Zeuxo	—	—	11.8	8.8	1912 Jan. 30.5	1912.0	229 31 57.1	208 23 40.9
439 Ohio	Nov. 18	12.4	12.7	8.6	1900 Jan. 0.0	1910.0	30 57 55.5	231 8 28.0
440 Theodora . .	—	—	13.1	10.9	1898 Okt. 18.5	1910.0	284 37 41.8	176 6 6.1

☊	i	φ	μ	log a	Autorität
38° 54′ 37″.4	6° 5′ 39″.0	2° 47′ 5″.0	584″.3935	0.5222008	Berberich
129 38 0.0	11 50 6.8	6 24 35.0	866.7956	0.408060	Berberich
245 49 39.0	9 8 8.8	5 49 4.3	753.7444	0.4485217	Berberich
92 48 21.3	14 3 57.8	11 41 13.6	849.07766	0.4140395	Berberich
256 8 35.2	11 48 17.6	14 32 24.7	856.814	0.411412	Coniel
317 1 8.3	4 15 26.7	10 27 34.1	712.9520	0.464631	Berberich
295 5 4.9	7 31 34.3	3 59 22.5	834.1108	0.4191886	Berberich
299 37 51.7	9 6 14.2	7 54 31.1	627.210	0.501729	Berberich
242 44 32.8	11 12 44.4	3 53 20.9	857.3857	0.411221	Kromm
97 25 39.4	10 53 15.3	13 45 44.0	788.824	0.435346	P. V. Neugebauer
108 33 36	15 19 24	6 36 0	706.067	0.467440	Berberich
106 41 22.8	13 45 36.1	2 27 5.2	772.8598	0.4412713	Berberich
105 12 38.6	18 52 24.9	19 43 23.0	856.555	0.411501	Berberich
113 29 44.5	9 38 22.8	5 29 23.8	542.3539	0.543816	Berberich
128 20 25.3	8 5 38.4	17 36 27.4	760.372	0.445987	Coddington
58 38 36.6	12 55 45.4	12 35 49.6	761.6611	0.4454966	Boccardi
199 56 31.4	6 35 47.5	8 5 25.9	759.1427	0.4464555	Berberich
249 11 17.0	6 49 0.3	6 49 13.7	850.3282	0.4136133	Berberich
230 10 7.4	3 57 7.2	14 51 45.7	850.8462	0.4134370	Berberich
246 21 49.5	6 37 24.1	2 25 29.1	563.0697	0.532963	Berberich
187 55 42.9	7 50 38.5	16 57 18.4	878.5646	0.4041553	Berberich
9 0 42.8	5 0 17.4	12 22 39.2	1066.4426	0.348046	Witt
70 19 25.1	11 15 54.4	1 57 21.5	660.6148	0.4867056	Berberich
99 33 41.2	8 12 20.8	6 22 47.8	768.5707	0.442882	P. V. Neugebauer
61 44 9.2	4 4 24.3	3 26 47.8	723.291	0.460462	Pourteau
312 6 53.5	19 37 42.9	5 53 54.4	722.4562	0.460797	Pourteau
298 57 20.1	5 8 14.6	6 53 23.4	692.000	0.473267	Berberich
17 29 37.6	6 13 32.7	10 15 44.4	1009.005	0.364076	Villiger
220 16 20.5	9 30 55.5	7 5 38.8	842.413	0.416321	Berberich
250 0 10.6	14 33 20.9	14 55 51.9	743.475	0.452494	Berberich
117 1 48.2	1 49 14.5	10 30 56.1	641.647	0.4951403	Kreutz
88 37 32.4	12 7 37.7	8 24 45.4	973.3410	0.3744944	Berberich
303 35 8.6	10 49 39.6	12 53 0.5	2014.8293	0.1638457	Witt
174 42 50.4	22 30 6.5	4 14 10.6	1308.9568	0.2887209	Berberich
23 9 37.1	1 50 18.7	8 53 54.8	925.2776	0.3891563	Berberich
352 3 5.4	18 36 7.8	4 45 46.3	622.0996	0.5040978	Berberich
263 37 16.1	7 22 21.1	14 22 14.3	962.9537	0.377601	Berberich
49 10 37.2	7 23 7.8	3 41 3.0	868.96	0.407338	F. Cohn
202 36 22.0	19 7 7.5	4 11 33.9	640.6167	0.495606	Coddington
292 31 23.3	1 35 48.6	6 11 19.0	1079.355	0.344562	Coddington

Nr. und Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
441 Bathilde . . .	Juni 12	12.9	12.5	9.0	1898 Dez. 14.0	1910.0	345° 51 15.9	197° 38 38.4
442 Eichsfeldia . .	Okt. 22	12.5	12.1	9.6	1904 Sept. 20.0	1900.0	137 33 29.2	82 6 9.8
443 Photographica	—	—	12.5	10.2	1906 April 3.0	1910.0	46 36 26.5	347 54 29.7
444 Gyptis	Dez. 22	11.2	11.2	7.7	1911 Dez. 22.5	1910.0	129 24 10.2	152 12 31.9
445 Edna	Juni 19	12.7	12.6	8.4	1900 Jan. 0.0	1910.0	19 1 55.0	77 37 38.4
446 Aeternitas . .	Jan. 20	12.0	11.4	7.9	1899 Okt. 30.0	1910.0	55 26 20.6	277 33 39.1
447 Valentine . .	Dez. 9	11.9	12.1	8.2	1899 Nov. 5.0	1914.0	358 57 31.2	319 15 0.9
448 Natalie	Juli 28	12.5	13.4	9.3	1910 Okt. 3.0	1910.0	28 0 0	292 17 12.2
449 Hamburga . .	Sept. 19	12.6	12.0	9.0	1901 März 20.0	1910.0	38 7 28.0	44 40 10.3
450 Brigitta . . .	Nov. 25	12.9	13.2	9.3	1899 Nov. 9.5	1910.0	19 17 44.8	358 38 58.0
451 Patientia . . .	Nov. 29	10.3	10.6	6.6	1907 Mai 8.0	1910.0	146 4 45.4	332 26 55.3
452 Hamiltonia ·	—	—	16.7	13.1	1899 Dez. 31.0	1910.0	296 42 7.9	46 40 54.3
453 Tea	—	—	12.3	10.2	1902 Dez. 20.0	1910.0	243 0 28.6	217 47 49.9
454 Mathesis . . .	Dez. 1	12.1	11.6	8.5	1900 April 28.5	1910.0	352 56 10.1	174 34 18.7
455 Bruchsalia . .	—	—	11.6	8.3	1914 Nov. 27.0	1910.0	51 31 11.1	269 3 56.9
456 Abnoba . . .	Sept. 30	13.5	12.9	9.4	1915 Sept. 23.0	1910.0	120 0 29.8	3 29 1.2
457 Alleghenia . .	Mai 20	15.7	15.1	11.0	1900 Okt. 28.5	1910.0	351 0 33.8	129 8 9.7
458 Hercynia . .	Juli 27	12.9	13.1	9.1	1900 Okt. 31.0	1910.0	338 37 5.7	272 19 18.5
459 Signe	April 3	14.4	13.7	10.5	1900 Okt. 22.5	1910.0	348 14 27.2	17 55 45.7
460 Scania	—	—	13.9	10.5	1912 Mai 1.5	1910.0	220 54 32	163 33 0.4
461 Saskia	Juni 15	15.2	14.3	10.1	1900 Okt. 22.5	1910.0	310 1 24.7	301 28 37.0
462 Eriphyla . . .	Dez. 2	13.2	13.5	9.7	1909 Juli 6.0	1910.0	312 5 0.0	248 12 14.2
463 Lola	—	—	14.0	11.4	1900 Okt. 31.5	1910.0	19 49 32.2	325 32 26.0
464 Megaira . . .	—	—	12.2	8.6	1901 Jan. 9.5	1910.0	92 54 0.7	252 34 33.5
465 Alekto	Nov. 3	14.3	13.5	9.3	1907 April 3.5	1907.0	329 52 49.6	280 3 56.8
466 Tisiphone . .	Juni 7	11.6	11.8	7.3	1915 Mai 26.0	1910.0	48 23 3.0	266 40 49.4
467 Laura	—	—	14.3	10.5	1901 Febr. 11.5	1910.0	55 52 57.2	91 48 52.6
468 Lina	Aug. 6	12.1	13.1	9.0	1901 Febr. 22.5	1910.0	118 51 21.4	331 2 19.6
469 Argentina . .	Sept. 19	13.5	12.7	8.5	1907 April 24.5	1907.0	7 31 23.1	201 23 58.5
470 Kilia	—	—	12.9	10.3	1902 Okt. 21.0	1910.0	138 56 9.4	43 50 53.3
471 Papagena . .	Mai 3	11.0	10.1	6.2	1903 Jan. 4.5*)	1910.0	359 59 23.0	311 22 44.5
472 Roma	—	—	11.5	8.5	1908 März 23.0	1910.0	115 27 18.6	295 11 15.8
473 Nolli	—	—	13.3	9.5	1901 Febr. 13.5	1910.0	95 13 40.1	57 6 40.8
474 Prudentia . .	—	—	13.0	10.2	1910 Sept. 10.5	1910.0	21 18 46.8	155 7 13.9
475 Ocllo	—	—	13.5	10.2	1905 Juni 17.0	1910.0	317 7 14	301 29 56
476 Hedwig . . .	Dez. 23	11.7	11.3	8.1	1912 Jan. 12.5	1910.0	195 11 18	356 54 43.2
477 Italia	März 24	13.0	12.1	9.5	1905 Nov. 3.5	1910.0	45 50 41.6	320 20 13.9
478 Tergeste . . .	Mai 26	11.2	10.9	7.0	1904 Mai 5.0	1910.0	81 38 55.7	240 34 25.2
479 Caprera . . .	—	—	13.0	9.6	1912 April 7.5	1910.0	114 30 0	269 14 42.9
480 Hansa	Sept. 26	11.5	11.5	8.3	1911 Okt. 24.5	1911.0	316 15 38.8	211 8 31.4

*) Mittlere Elemente

Ω	i	φ	μ	log a	Autorität
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254 20 3.7	8 7 11.7	4 37 18.6	753.698	0.448538	Coniel
134 38 45.4	6 3 42.0	4 0 17.7	987.3699	0.3703512	Thraen
175 8 46.6	4 13 15.5	2 17 26.1	1075.9086	0.3454875	Berberich
196 3 27.8	10 13 1.7	10 10 45.4	770.1555	0.4422855	Blondel
293 31 41.4	21 23 34.9	11 57 45.5	624.2829	0.503084	Coddington
42 40 49.5	10 39 3.8	7 7 3.2	761.5980	0.4455205	Pauly
72 34 35.8	4 49 4.5	2 34 32.5	687.3937	0.4751131	Osten
38 52 17.9	12 41 52.5	9 54 2.5	636.618	0.497419	Berberich
85 58 49.8	3 6 4.6	10 3 32.4	870.9880	0.406664	J. Möller
15 37 54.5	10 23 9.4	5 21 56.4	677.749	0.479292	Paetsch
89 51 4.6	15 14 39.9	4 19 46.7	662.60440	0.4858348	E. Grabowski
92 51 38.8	3 13 15.1	1 13 23.3	736.622	0.455174	Palmer
11 34 23.4	5 34 28.0	6 14 36.0	1099.965	0.339085	Hessen
32 41 20.7	6 19 18.7	6 19 30.5	832.9439	0.419594	Milham
77 24 15.1	12 1 28.5	17 2 21.6	819.5533	0.424286	Berberich
229 25 37.5	14 26 13.5	10 24 15.1	761.8984	0.4454063	Berberich
250 46 42.0	12 52 29.5	10 20 2.3	651.8517	0.490572	Paetsch
136 4 46.1	12 36 10.3	14 8 5.4	685.852	0.475851	Riem
29 49 51.8	10 22 44.4	12 19 50.0	832.007	0.419920	Bauschinger
205 45 2.7	4 35 26.1	5 53 49.8	792.305	0.434076	Bauschinger
156 40 56.9	1 22 20.6	11 54 22.6	624.571	0.502950	Bauschinger
105 47 33.7	3 10 39.3	4 59 18.4	728.550	0.4583648	Berberich
36 34 17.3	13 29 59.6	12 42 56.7	960.910	0.378216	Berberich
103 51 32.4	10 51 46.9	14 39 57.7	742.582	0.452841	Berberich
303 26 54.7	4 37 56.5	11 48 19.2	651.923	0.490550	Eaton
291 25 29.2	19 19 10.1	4 16 7.6	575.9487	0.526415	Berberich
323 56 20.1	6 24 26.3	6 20 17.4	704.103	0.468247	Berberich
22 26 55.3	0 29 45.3	11 47 14.8	637.306	0.497106	Bauschinger
335 11 17.5	11 45 15.4	8 58 51.8	626.309	0.502146	Lamson
173 15 58.1	7 13 35.5	5 29 58.5	952.3542	0.380805	Kreutz
84 42 3.6	14 54 23.3	13 30 43.7	722.8922	0.4606221	Strömberg, Hernlund
127 1 58.8	15 51 45.3	5 37 39.1	875.7359	0.405089	Zappa
333 35 9.8	27 46 32.2	14 48 41.2	690.051	0.474084	Berberich
161 57 57.1	8 43 13.4	11 48 11.8	924.685	0.389342	Berberich
35 53 33	18 38 42	22 22 4	848.6730	0.414177	Strömgren
286 41 44.8	10 56 39.3	4 16 2.1	823.2035	0.4229996	Strömgren
10 44 48.5	5 18 41.0	10 57 18.2	944.572	0.383182	G. Abetti
234 47 14.1	13 9 38.6	4 58 6.5	677.025	0.4796008	de Mello e Simas
136 31 40.9	8 39 23.8	12 42 44.4	789.348	0.435159	Bauschinger
237 11 54.6	21 17 24.5	2 39 35.9	824.804	0.422438	Stracke

Nr. und Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
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481 Emita . . .	—	—	11.6	8.2	1907 März 9.0	1910.0	104 59 56.4	345 50 34.8
482 Petrina . . .	Nov. 23	12.3	12.0	8.1	1902 Mai 7.5	1910.0	288 7 6.3	85 31 11.3
483 Seppina . .	März 31	12.7	12.5	7.9	1906 Dez. 19.0	1910.0	127 58 51.7	141 39 57.0
484 Pittsburghia	April 26	13.1	12.9	9.7	1906 April 3.0	1910.0	234 28 0	186 53 0
485 Genua . . .	Febr. 15	10.6	11.4	8.0	1904 Okt. 3.5	1910.0	294 18 38.9	268 33 3.0
486 Cremona . .	—	—	13.5	11.0	1902 Mai 28.5	1910.0	17 6 5.0	124 15 56.0
487 Venetia . .	Juli 14	11.9	11.8	8.6	1907 Okt. 15.5	1910.0	348 41 50.6	278 27 28.3
488 Kreusa . . .	Sept. 15	12.3	11.5	7.3	1914 Aug. 9.0	1910.0	132 23 12.0	63 55 3.7
489 Comacina .	—	—	12.5	8.3	1911 Febr. 22.5	1910.0	350 12 40.1	6 12 28.6
490 Veritas . . .	—	—	12.3	8.1	1912 Mai 21.5	1910.0	246 25 38	187 46 6.0
491 Carina . . .	—	—	12.5	8.3	1903 Jan. 0.0	1910.0	340 41 39.1	225 2 45.0
492 Gismonda .	—	—	13.1	9.0	1913 Sept. 11.5	1910.0	18 6 42.3	285 44 3.4
493 Griseldis . .	—	—	14.5	10.4	1902 Sept. 7.5	1910.0	329 46 50.6	38 26 36.2
494 Virtus . . .	März 5	12.2	12.3	8.4	1902 Nov. 27.5	1910.0	144 15 51.5	209 9 31.0
495 Eulalia . . .	Jan. 2	12.2	12.5	9.7	1902 Nov. 21.5	1910.0	20 56 40.0	200 0 35.6
496 Gryphia . .	Dez. 12	12.6	13.0	11.0	1902 Nov. 21.5	1910.0	331 47 44.7	240 34 28.4
497 Iva	April 27	14.5	13.5	9.9	1913 Jan. 1.5	1910.0	58 26 51.0	0 8 26.2
498 Tokio . . .	Dez. 1	11.1	11.2	8.1	1904 März 14.0	1910.0	167 52 1.5	237 34 18.5
499 Venusia . .	Juli 28	13.7	13.0	7.7	1911 Jan. 30.5	1910.0	19 50 22.1	195 48 23.7
500 Selinur . . .	—	—	12.0	8.9	1903 März 4.5	1910.0	99 39 4.6	71 48 18.3
501 Urbixidur .	März 6	13.7	13.0	8.8	1903 Jan. 19.5	1910.0	119 32 12.0	346 41 52.2
502 Sigune . . .	Juni 23	14.2	13.8	11.2	1907 Febr. 17.0	1910.0	2 59 40.1	16 59 22.3
503 Evelyn . . .	Nov. 13	11.7	12.3	9.0	1912 Jan. 22.5	1910.0	13 33 32	38 7 0.1
504 Cora	Mai 22	12.9	12.7	9.3	1907 Sept. 25.0	1910.0	18 9 10.2	244 36 55.0
505 Cava	Juli 1	12.9	12.0	8.7	1907 Okt. 15.0	1910.0	321 50 49.2	333 59 2.7
506 Marion . . .	Juni 17	13.2	12.5	8.5	1911 Aug. 31.5	1910.0	266 8 32.0	143 31 21.0
507 Laodica . .	März 31	13.0	12.5	8.3	1903 Febr. 24.5	1910.0	104 44 50.4	94 33 57.4
508 Princetonia	Juni 23	12.3	12.3	8.1	1903 April 25.5	1910.0	4 34 0.9	161 33 54.7
509 Iolanda . .	Aug. 10	11.2	11.5	7.5	1906 Jan. 28.5	1910.0	39 8 50.3	153 10 33.8
510 Mabella . .	März 1	13.4	13.0	9.8	1906 Febr. 12.0	1910.0	197 39 23.0	87 13 2.4
511 Davida . . .	Juli 12	10.3	9.6	5.4	1915 Juli 23.0	1910.0	227 31 44.2	328 23 53.2
512 Taurinensis	März 8	13.9	12.5	10.5	1903 Juni 26.5	1910.0	304 28 29.2	247 9 32.2
513 Centesima .	—	—	12.3	8.4	1912 Mai 1.5	1910.0	195 11 0	208 58 33.7
514 Armida . .	—	—	12.4	8.4	1906 Febr. 22.0	1910.0	136 47 7.0	106 3 52.0
515 Athalia . .	—	—	14.0	9.9	1903 Sept. 20.5	1910.0	317 8 30.0	288 44 14.8
516 Amherstia .	April 28	9.1	11.0	7.7	1911 Juli 26.5	1910.0	49 48 3.7	254 0 32.9
517 Edith	—	—	13.1	9.6	1903 Okt. 25.5	1910.0	338 10 28.3	129 3 8.9
518 Halawe . . .	Okt. 26	12.7	13.4	10.5	1903 Okt. 20.5	1910.0	47 47 29.0	118 29 22.7
519 Sylvania . .	März 22	12.9	12.0	8.5	1912 Sept. 18.0	1910.0	3 35 24.7	299 35 23.3
520 Franziska .	Jan. 13	13.6	13.9	10.0	1903 Okt. 27.5	1910.0	355 18 52.9	16 18 2.0

☊	i	φ	μ	log a	Autorität
67° 5′ 43.9″	9° 52′ 33.4″	9° 10′ 37.1″	782.″8688	0.437545	Osten
180 20 8.8	14 27 21.8	5 18 49.8	683.838	0.476703	P. V. Neugebauer
175 32 15.8	18 37 40.3	2 59 43.4	557.6847	0.535745	Paetsch
127 26 45.0	12 29 12.2	3 10 0	814.150	0.426202	Berberich
194 22 25.9	13 48 10.4	10 57 57.6	777.060	0.439700	P. V. Neugebauer
94 22 7.0	11 1 36.0	9 18 25.0	983.966	0.371351	Berberich
115 5 36.2	10 14 21.3	4 56 30.7	813.33738	0.4264906	Bianchi
86 37 9.6	11 35 27.1	9 23 31.4	629.360	0.5007383	Berberich
167 49 16.9	12 56 43.3	2 25 38.8	634.103	0.498564	Berberich
179 15 21.1	9 13 7.2	5 7 59.7	627.551	0.501572	Münch
176 1 20.6	18 56 44.4	3 42 55.3	620.5529	0.504821	Lassen
47 9 35.0	1 39 13.6	10 15 9.6	646.878	0.492789	Berberich
358 41 15.8	15 25 42.0	9 17 51.5	641.417	0.495244	Berberich
39 4 55.2	7 8 37.6	3 37 33.6	688.142	0.474886	G. Abetti
186 27 59.0	2 14 13.1	8 28 23.6	910.120	0.393938	P. V. Neugebauer
206 45 14.2	3 37 6.6	4 15 29.6	1103.453	0.338168	Berberich
6 59 46.5	4 55 13.6	17 34 16.8	738.4168	0.454470	Berberich
98 1 47.9	9 33 4.0	12 47 51.8	823.2586	0.422980	P. V. Neugebauer
256 42 33.2	2 3 21.8	12 21 47.8	457.152	0.593297	Berberich
290 29 11.7	9 47 15.7	8 8 23.0	840.020	0.417144	Berberich
358 4 33.5	20 49 30.8	8 14 41.4	630.916	0.500024	P. V. Neugebauer
132 41 16.8	25 3 43.4	10 17 7.7	965.064	0.376967	Osten
69 31 24.1	5 3 33.4	10 12 32.5	788.475	0.435479	Liebmann
105 17 44.1	12 56 51.7	12 28 13.5	790.4529	0.434754	Osten
91 8 46.2	9 47 29.5	14 6 50.2	805.8993	0.429151	Osten
313 36 55.5	16 53 18.3	8 35 40.0	669.200	0.482967	Berberich
295 14 4.1	9 33 26.6	5 47 47.4	632.696	0.499208	Bauschinger
45 20 39.5	13 24 2.0	0 40 50.2	631.586	0.499716	Berberich
218 26 48.9	15 22 46.1	5 34 11.6	660.724	0.486658	P. V. Neugebauer
203 33 47.4	9 31 2.1	11 6 59.4	841.855	0.416512	Berberich
108 47 16.0	15 50 39.1	11 6 10.2	631.0018	0.499985	Strehlow
107 0 6.2	8 47 3.5	14 41 52.1	1094.917	0.340417	Berberich
185 49 9.3	9 28 24.1	5 0 12.4	677.958	0.479204	Berberich
270 11 57.9	3 52 8.7	2 34 14.7	667.6424	0.4836418	Berberich
122 6 47.5	2 0 50.7	10 3 36.2	645.556	0.493382	Berberich
330 25 37.3	13 2 54.4	16 2 8.0	810.70957	0.427428	Fontana
277 26 39.3	3 9 40.8	10 43 29.9	637.939	0.496818	Berberich
203 57 40.2	6 37 46.0	12 42 29.2	885.773	0.401789	Berberich
45 19 29.7	11 2 4.2	10 33 6.8	761.0207	0.445740	Berberich
35 5 35.2	11 0 18.8	6 0 18.2	680.357	0.478180	Götz

Nr. und Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
							° ′ ″	° ′ ″
521 Brixia	Mai 22	13.4	12.1	8.7	1909 Febr. 26.5	1910.0	73 29 45.1	312 31 31.6
522 Helga	Sept. 20	12.2	12.6	7.7	1913 April 6.0	1910.0	226 59 45.2	242 7 12.6
523 Ada	April 12	13.1	12.8	9.0	1904 Jan. 27.5	1910.0	27 56 2.5	185 12 52.8
524 Fidelio . . .	Nov. 8	11.6	12.4	9.2	1904 März 18.5	1910.0	103 29 53.0	77 10 52.3
525 Adelaide . .	—	—	13.8	9.3	1904 März 18.5	1910.0	69 22 2.8	281 27 50.8
526 Jena	März 30	12.6	13.1	9.0	1909 Febr. 6.0	1910.0	359 19 18.1	357 35 43.8
527 Euryanthe .	Dez. 25	13.1	12.5	9.2	1904 März 20.5	1910.0	258 56 2.1	199 40 42.4
528 Rezia	—	—	12.4	7.8	1913 Sept. 13.0	1910.0	317 25 3.4	0 30 31.9
529 Preziosa . .	Mai 6	13.5	13.0	9.1	1904 März 24.5	1910.0	138 10 8.7	336 38 38.9
530 Turandot . .	März 14	13.2	12.4	8.2	1911 Sept. 3.5	1911.0	0 40 29.3	193 6 9.7
531 Zerlina . . .	Nov. 4	14.8	14.0	10.5	1904 April 12.5	1910.0	329 16 0.7	53 51 42.6
532 Herculina . .	Okt. 9	10.7	9.8	6.3	1904 Mai 5.5	1910.0	18 56 34.1	72 59 41.2
533 Sara	Juli 1	13.4	13.5	9.6	1911 Okt. 18.5	1910.0	181 18 39.1	14 46 53.8
534 Nassovia . .	Juli 25	13.2	12.8	9.2	1904 Mai 19.5	1910.0	128 10 32.6	344 51 41.9
535 Montague . .	—	—	11.8	8.8	1904 Juni 3.5	1910.0	86 4 14.8	58 53 6.4
536 Merapi . . .	Jan. 30	12.1	11.7	7.0	1904 Mai 12.0	1910.0	254 58 24.4	292 45 11.7
537 Pauly	Aug. 13	12.1	13.1	9.1	1914 April 0.5	1910.0	277 36 45.5	182 47 40.3
538 Friederike .	Juli 11	12.8	13.2	9.0	1904 Juli 19.5	1910.0	318 36 36.4	222 52 26.0
539 Pamina . . .	Jan. 8	13.0	13.1	9.7	1912 April 21.5	1910.0	218 19 30	94 0 8.3
540 Rosamunde .	—	—	12.1	10.0	1911 Sept. 29.5	1910.0	190 29 0	334 20 33.8
541 Deborah . .	—	—	12.9	9.4	1912 März 2.5	1910.0	277 18 20	349 26 1.9
542 Susanna . .	—	—	12.8	9.0	1904 Aug. 16.5	1910.0	345 38 28.2	212 17 44.6
543 Charlotte . .	Nov. 13	11.8	12.7	8.7	1904 Nov. 11.5	1910.0	348 26 5.2	105 5 43.9
544 Jetta	Febr. 25	12.9	12.6	9.5	1904 Nov. 6.5	1910.0	89 4 27.2	338 21 35.6
545 Messalina . .	Sept. 7	11.3	12.2	8.0	1908 Okt. 9.0	1910.0	312 13 12.8	325 46 47.5
546 Herodias . .	Mai 8	12.1	12.1	9.0	1904 Okt. 13.5	1910.0	259 39 22.4	107 27 20.0
547 Praxedis . .	Febr. 8	13.0	12.7	9.2	1904 Nov. 17.5	1910.0	11 9 44.8	193 3 13.7
548 Kressida . .	—	—	13.2	10.8	1904 Okt. 14.5	1910.0	336 36 46.1	318 28 31.0
549 Jessonda . .	Mai 12	14.4	13.5	10.2	1904 Dez. 27.5	1910.0	358 10 57.7	153 34 32.7
550 Senta	April 6	12.2	11.9	8.8	1907 Juni 17.0	1910.0	316 10 52.9	42 47 45.9
551 Ortrud . . .	—	—	12.8	9.0	1905 Jan. 15.5	1910.0	12 40 32.4	62 4 4.5
552 Sigelinde . .	Nov. 25	12.5	12.2	8.0	1909 Nov. 11.5	1910.0	158 7 47	329 48 30.1
553 Kundry . . .	—	—	13.7	11.5	1905 Jan. 9.5	1910.0	16 23 30.6	357 50 30.4
554 Peraga . . .	—	—	10.8	8.2	1905 Jan. 0.0	1910.0	41 20 15.3	124 24 50.3
555 Norma . . .	Dez. 20	13.1	13.9	9.7	1905 Jan. 14.5	1910.0	2 59 42.0	350 52 47.9
556 Phyllis . . .	Okt. 15	12.3	12.5	9.7	1905 Jan. 16.5	1910.0	15 36 17.7	175 3 52.5
557 Violetta . . .	Nov. 20	13.5	13.7	11.0	1905 Jan. 14.5	1910.0	1 42 52.4	190 0 23.4
558 Carmen . . .	Febr. 21	12.1	12.2	8.5	1905 Febr. 9.5	1910.0	41 17 34.4	314 40 14.0
559 Nanon . . .	Aug. 11	12.2	12.3	9.0	1905 April 20.5	1910.0	321 9 51.5	125 30 48.5
560 Delila	Juni 1	14.0	13.4	10.0	1905 März 13.5	1910.0	43 34 8.2	1 57 15.1

☊	i	φ	μ	log a	Autorität
° ′ ″	° ′ ″	° ′ ″	″		
90 27 43.3	10 29 22.5	16 16 9.4	780.20191	0.4385331	Millosevich
119 13 17.3	4 26 55.8	4 29 36.2	513.6211	0.559576	Berberich
262 13 56.0	4 18 47.0	10 8 17.0	694.113	0.472384	Berberich
327 6 38.6	8 11 46.3	7 20 50.8	829.173	0.420907	Berberich
125 54 33.5	3 15 5.6	21 46 42.6	581.342	0.523718	P. V. Neugebauer
137 54 21.8	2 8 33.4	8 5 57.9	644.22959	0.4939773	Knopf
120 46 3.7	9 39 56.4	8 38 46.0	787.582	0.435808	P. V. Neugebauer
51 39 18.1	12 44 24.0	1 12 29.7	567.8402	0.530520	Berberich
65 53 19.6	11 3 40.1	5 45 4.2	676.264	0.479926	P. V. Neugebauer
129 53 35.9	8 23 25.5	10 11 37.4	610.214	0.509684	Stracke
197 49 0.0	34 33 0.7	10 54 44.6	756.474	0.447475	Berberich
108 19 46.1	16 22 36.6	10 6 31.8	768.8133	0.4427907	Götz
181 7 50.1	6 30 47.4	2 12 56.4	686.861	0.475425	Berberich
93 39 56.2	3 19 29.4	5 47 47.7	725.560	0.459556	Bauschinger
84 45 17.8	6 48 8.9	1 51 11.1	862.724	0.409423	Dugan
60 56 14.5	19 24 8.1	5 38 12.5	541.600	0.544219	Strömgren
120 56 40.7	9 53 54.5	13 31 49.0	661.157	0.486468	Stracke
142 24 22.1	6 36 23.2	9 22 44.9	630.980	0.499994	P. V. Neugebauer
275 38 29.8	6 47 21.6	12 20 17.6	782.672	0.437618	P. V. Neugebauer
202 1 49.9	5 33 15.2	5 3 8.0	1074.237	0.345938	P. V. Neugebauer
268 30 54.8	5 57 29.6	2 33 35.6	751.048	0.449560	P. V. Neugebauer
153 36 20.7	12 2 13.0	8 13 3.7	717.240	0.462894	Berberich
296 40 42.9	8 26 57.2	9 2 0.8	662.328	0.485955	Berberich
298 53 17.1	8 19 4.4	8 37 38.8	849.653	0.413843	Berberich
334 31 5.6	11 12 9.3	10 54 26.1	625.9062	0.502332	Berberich
22 0 59.4	14 54 14.2	6 30 4.0	847.004	0.414747	Berberich
193 29 59.2	16 56 38.9	13 46 3.9	769.074	0.442693	Berberich
108 6 36.2	3 52 2.4	10 43 4.5	1029.495	0.358255	Berberich
292 25 37.8	3 55 44.4	14 55 43.6	805.659	0.429237	Berberich
271 4 28.4	10 6 49.8	12 38 50.6	850.990	0.413388	Berberich
9 2 55.5	0 26 16.7	7 2 31.5	693.869	0.472486	Berberich
268 49 48.1	7 26 1.8	4 3 57.6	631.413	0.499796	Berberich
71 58 47.4	5 17 7.4	6 21 40.1	1073.630	0.346101	Berberich
295 48 6.5	2 56 14.3	8 54 53.0	969.164	0.375740	Abetti
130 57 4.1	2 38 44.7	8 50 39.9	624.247	0.503100	Berberich
285 55 15.3	5 14 18.5	5 46 43.4	915.845	0.392123	Berberich
293 25 59.7	2 31 9.7	5 35 58.3	929.468	0.387848	Berberich
144 19 47.1	8 21 1.0	2 14 1.0	715.481	0.463606	Berberich
112 27 18.8	9 18 13.9	3 45 2.0	794.666	0.433215	Berberich
105 36 6.3	8 27 20.5	9 4 0.5	777.661	0.439477	Berberich

Nr. und Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
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561 Ingwelde . .	—	—	13.9	9.7	1905 März 30.5	1910.0	67 22 32.6	302 12 58.7
562 Salome . . .	März 16	13.4	12.9	9.0	1912 Okt. 28.5	1910.0	42 0 0	257 21 3.7
563 Suleika . . .	Juli 6	11.8	11.1	7.8	1914 Mai 31.0	1910.0	157 58 57.0	334 19 16.0
564 Dudu	Okt. 28	13.8	13.7	10.3	1910 Aug. 30.0	1910.0	27 37 51.1	212 2 55.4
565 Marbachia .	—	—	12.9	10.2	1905 Mai 9.5	1910.0	69 45 0.0	290 15 39.7
566 Stereoskopia	Jan. 13	12.0	12.0	7.5	1905 Juni 1.5	1910.0	243 19 3.6	295 28 35.7
567 Eleutheria .	Febr. 16	13.0	13.1	9.0	1913 Nov. 20.5	1910.0	240 10 42.1	131 32 58.2
568 Cheruskia . .	Sept. 13	11.8	12.3	8.6	1905 Aug. 21.5	1910.0	291 43 54.1	170 31 48.8
569 Misa	—	—	12.4	9.2	1909 Aug. 25.0	1910.0	250 54 15.3	137 36 5.7
570 Kythera . . .	März 3	13.2	12.7	8.1	1911 Juli 26.0	1910.0	298 54 3.6	143 11 10.7
571 Dulcinea . .	April 19	15.1	13.8	11.2	1905 Sept. 5.5	1910.0	338 13 48.0	24 30 36.1
572 Rebekka . .	Juni 24	13.3	12.9	10.5	1905 Sept. 19.5	1910.0	339 5 16.1	198 29 16.4
573 Recha	Aug. 2	12.8	13.2	9.2	1905 Sept. 19.5	1910.0	346 7 29.5	28 47 17.0
574 Reginhild . .	Aug. 14	13.9	14.3	12.0	1905 Sept. 30.5	1905.0	329 33 9.9	74 58 58.3
575 Renate . . .	Jan. 5	14.0	13.5	10.5	1905 Okt. 4.5	1910.0	28 0 28.9	338 11 31.0
576 Emanuela . .	Juni 21	12.1	12.7	8.8	1905 Sept. 22.5	1910.0	11 14 22.6	31 22 7.0
577 Rhea	Juni 19	12.2	13.0	8.9	1905 Okt. 30.5	1910.0	71 29 57.1	321 2 10.2
578 Happelia . .	—	—	12.0	8.6	1912 Febr. 16.5	1910.0	236 49 42.3	258 31 28.0
579 Sidonia . . .	Okt. 20	11.4	11.5	7.6	1912 Jan. 30.5	1910.0	163 38 12	231 12 32.5
580 Selene	Juli 29	13.8	13.7	9.4	1906 Febr. 12.5	1910.0	31 51 48.2	315 13 19.9
581 Tauntonia .	Aug. 30	13.7	13.7	9.4	1905 Dez. 24.5	1910.0	28 33 46.5	320 23 29.0
582 Olympia . .	Mai 5	13.1	12.6	9.5	1913 Dez. 2.0	1910.0	328 8 20.3	309 0 50.3
583 Klotilde . . .	Aug. 19	13.8	13.1	8.9	1906 Jan. 0.0	1910.0	295 18 26.6	239 22 21.6
584 Semiramis .	Juni 28	11.1	11.5	8.9	1906 Jan. 15.5	1910.0	87 17 31.6	82 31 49.6
585 Bilkis	Aug. 30	13.4	12.7	10.0	1906 Febr. 16.5	1910.0	7 29 29.6	326 1 33.1
586 Thekla . . .	Dez. 25	12.6	12.9	9.0	1911 Febr. 16.5	1911.0	26 33 2.2	221 18 10.5
587 Hypsipyle . .	Okt. 2	14.9	14.3	11.8	1906 März 18.5	1910.0	2 2 56.8	187 9 43.7
588 Achilles . .	Nov. 10	13.7	14.2	7.7	1907 April 15.5	1910.0	80 18 12.4	125 37 50.0
589 Croatia . . .	Dez. 22	12.6	12.7	8.6	1906 März 23.5	1910.0	141 5 33.1	210 53 18.5
590 Tomyris . . .	—	—	13.1	9.2	1911 März 21.5	1910.0	80 10 0	329 50 3.8
591 Irmgard . . .	April 9	12.3	13.5	10.3	1906 März 18.5	1910.0	346 2 9.3	215 31 37.9
592 Bathseba . .	—	—	12.8	8.9	1906 März 23.5	1910.0	103 51 54.2	248 14 0.9
593 Titania . . .	April 10	12.2	12.4	9.1	1906 März 20.5	1910.0	49 9 33.4	27 49 39.4
594 Mireille . . .	Aug. 10	14.1	15.0	11.8	1906 März 30.5	1910.0	336 10 41.3	76 0 16.4
595 Polyxena . .	—	—	12.1	7.8	1906 Mai 18.5	1910.0	291 37 29.7	264 26 33.1
596 Scheila . . .	—	—	12.0	8.2	1906 Febr. 22.5	1910.0	296 49 40.2	172 26 41.9
597 Bandusia . .	Mai 24	12.6	12.8	9.5	1906 April 16.5	1910.0	263 41 28.4	293 21 8.4
598 Octavia . . .	März 17	13.0	12.0	8.5	1913 Febr. 10.0	1910.0	333 43 6.2	286 27 11.5
599 Luisa	April 17	13.1	12.4	8.9	1906 April 28.5	1910.0	278 5 44.3	290 3 48.7
600 Musa	—	—	13.0	9.8	1906 Juni 22.5	1910.0	12 41 3.5	112 42 34.8

☊	i	φ	μ	log a	Autorität
160° 33′ 57″.6	1° 30′ 49″.2	8° 42′ 31″.0	624″.357	0.503049	Berberich
71 41 19.7	11 8 31.6	5 25 14.8	677.324	0.479473	Berberich
84 48 5.4	10 20 59.4	13 36 42.8	794.5510	0.433256	Berberich
71 5 49.8	18 8 32.8	15 37 10.5	777.3806	0.439582	Berberich
225 54 9.2	10 53 58.1	7 18 40.0	931.272	0.387286	Berberich
81 30 49.9	5 2 0.0	7 47 28.4	570.181	0.529329	Berberich
59 19 49.5	9 16 41.0	5 33 28.3	640.992	0.495436	Berberich
250 11 39.3	18 21 5.4	9 40 10.3	725.727	0.459489	Berberich
303 21 20.1	1 17 41.9	10 38 12.6	818.722	0.424580	Mader
228 21 2.5	1 41 39.3	7 0 35.8	560.781	0.534142	Berberich
3 18 43.7	5 17 40.4	13 59 1.3	948.052	0.382116	Berberich
194 51 53.3	9 23 27.6	10 0 31.0	1008.005	0.364362	Berberich
343 54 36.1	9 52 9.7	6 22 6.9	678.763	0.478859	Berberich
336 56 23.3	5 41 19.2	14 3 52.9	1045.070	0.353908	Berberich
349 37 56.2	14 51 53.6	6 53 23.5	868.995	0.407326	Berberich
300 12 40.5	10 12 1.3	10 59 27.9	672.075	0.481725	Berberich
331 16 20.9	5 16 23.6	8 17 18.0	644.417	0.493893	P. V. Neugebauer
30 17 55.4	6 10 21.4	11 13 41.8	778.4174	0.439197	Burmeister
83 21 40.4	11 2 4.4	4 35 58.0	677.103	0.479568	P. V. Neugebauer
99 40 3.9	3 40 33.0	7 38 52.2	618.613	0.505726	P. V. Neugebauer
103 8 5.6	21 55 39.1	2 30 51.4	615.963	0.506968	Morgan
155 34 19.8	29 54 3.4	13 2 47.2	839.3517	0.417375	Berberich
261 26 58.1	8 17 15.3	8 31 10.8	629.074	0.500870	Osten
282 35 47.1	10 44 9.4	13 32 35.0	969.892	0.375523	Berberich
180 14 3.6	7 30 54.9	7 29 19.0	937.316	0.385414	P. V. Neugebauer
230 58 54.4	1 35 47.7	3 26 8.8	678.6643	0.478912	Stracke
324 13 44.6	24 58 5.3	9 35 0.3	994.165	0.368365	Berberich
315 36 1.5	10 18 24.7	8 42 54.1	295.464	0.719668	Bidschof
178 44 4.8	10 47 14.6	2 54 51.2	640.839	0.495506	P. V. Neugebauer
106 47 6.7	11 9 39.0	3 53 41.4	681.469	0.477707	Berberich
334 51 31.5	12 33 50.6	12 1 41.4	807.881	0.428440	Berberich
169 15 27.2	10 6 31.5	7 1 12.3	676.021	0.480030	P. V. Neugebauer
76 18 2.1	17 0 16.1	12 17 10.9	799.698	0.431387	Berberich
155 23 47.7	32 45 44.5	20 27 11.7	833.298	0.419471	Berberich
25 0 50.1	18 21 57.6	4 17 47.8	620.181	0.504992	P. V. Neugebauer
71 7 48.6	14 38 14.8	9 26 11.2	706.587	0.467228	Berberich
36 40 54.2	11 59 19.8	8 42 35.4	809.638	0.427811	Berberich
92 14 9.7	12 11 48.7	13 55 23.0	769.8136	0.442413	Berberich
45 33 2.7	16 33 46.0	17 15 7.2	768.430	0.442925	Frederickson
139 38 9.7	10 11 18.4	3 8 12.2	817.198	0.425120	Hammond und Frederickson

Nr. und Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
601 Nerthus . . .	Jan. 25	13.2	12.6	8.5	1906 Juli 12.0	1910.0	328° 53′ 13.5″	148° 32′ 23.8″
602 Marianna . .	Dez. 15	11.2	12.1	8.0	1907 Jan. 0.0	1910.0	169 19 30.4	41 36 46.0
603 Timandra . .	Juni 12	14.2	13.9	10.9	1907 Jan. 0.0	1910.0	82 16 11.2	155 30 12.8
604 Tekmessa . .	Sept. 18	11.1	12.4	8.2	1906 Febr. 16.5	1910.0	85 30 21.3	22 20 39.3
605 Juvisia . . .	Juni 18	12.9	12.9	9.0	1906 Aug. 28.5	1910.0	38 19 40.6	13 42 45.9
606 Brangäne . .	—	—	12.9	9.8	1906 Sept. 18.5	1910.0	354 2 14.3	55 33 48.3
607 Jenny	Aug. 6	12.7	12.6	9.0	1906 Sept. 18.5	1910.0	149 52 0.0	285 42 55.8
608 Adolfine . .	Mai 6	14.5	14.1	10.2	1906 Sept. 18.5	1910.0	2 17 9.8	69 12 50.4
609 Fulvia . . .	April 24	12.7	12.8	8.8	1906 Sept. 24.5	1910.0	104 8 36.7	94 43 37.9
610 Valeska . . .	April 21	16.7	15.6	11.6	1906 Sept. 26.5	1910.0	356 4 8.3	352 44 47.4
611 Valeria . . .	Juni 29	12.9	12.3	8.4	1906 Okt. 11.5	1910.0	306 56 29.0	253 26 5.1
612 Veronika . .	Febr. 22	15.8	14.6	10.4	1906 Okt. 8.5	1910.0	24 22 28.2	116 19 5.2
613 Ginevra . . .	Juli 25	13.2	13.0	9.3	1906 Okt. 14.5	1910.0	334 44 46.7	60 58 25.9
614 Pia	Nov. 13	13.1	13.7	10.4	1906 Okt. 11.5	1910.0	333 21 2.4	201 42 34.6
615 Roswitha . .	Dez. 3	13.2	12.6	9.4	1911 Dez. 26.5	1910.0	199 56 0	243 35 21.6
616 Elly	—	—	12.7	9.7	1906 Okt. 8.5	1910.0	284 39 35.2	107 53 55.7
617 Patroclus . .	Juni 23	12.3	12.6	5.9	1907 Dez. 14.0	1910.0	73 1 24.7	302 25 48.2
618 Elfriede . . .	April 7	12.8	12.4	8.2	1906 Okt. 25.5	1910.0	33 7 17.6	235 5 21.8
619 Triberga . .	—	—	12.1	9.2	1906 Okt. 22.5	1910.0	35 14 23.9	174 46 28.1
620 Drakonia . .	—	—	13.6	10.9	1906 Nov. 6.5	1910.0	58 40 35.1	332 29 0.4
621 Werdandi . .	Juni 27	14.6	13.9	9.8	1906 Nov. 14.5	1910.0	332 9 17.0	29 15 48.6
622 Esther . . .	Febr. 15	12.9	12.8	10.1	1906 Dez. 18.5	1910.0	19 40 58.6	253 50 19.2
623 Chimaera . .	März 5	12.8	12.8	10.0	1907 Febr. 5.5	1910.0	51 17 38.0	123 13 4.8
624 Hektor . . .	Okt. 23	13.3	13.2	6.4	1907 März 9.0	1910.0	346 0 50.5	175 9 29.6
625 Xenia	Jan. 12	12.9	12.1	8.9	1907 Febr. 21.5	1910.0	180 11 33.7	201 26 39.0
626 Notburga . .	Jan. 29	11.4	11.4	8.4	1907 Febr. 21.5	1910.0	97 38 46.1	42 16 40.4
627 Charis . . .	Nov. 22	13.2	13.1	9.3	1907 März 7.5	1910.0	211 24 57.4	152 11 26.3
628 Christine . .	Jan. 20	12.5	12.2	9.2	1907 März 12.5	1910.0	185 26 16.9	213 34 40.0
629 Bernardina .	Aug. 14	14.6	13.8	9.7	1907 März 7.5	1910.0	21 17 50.2	31 40 42.7
630 Euphemia .	—	—	13.5	10.3	1907 März 12.5	1910.0	5 28 27.0	42 42 27.6
631 Philippina .	—	—	12.3	8.8	1907 April 11.5	1910.0	66 40 35.6	276 20 22.3
632 Pyrrha . . .	Jan. 31	14.8	14.5	11.3	1907 April 12.5	1910.0	339 21 29.5	248 15 59.6
633 Zelima . . .	—	—	12.9	9.0	1907 Juni 5.5	1910.0	285 16 53.7	181 45 9.7
634 Ute	—	—	13.1	9.1	1907 Juni 5.5	1910.0	273 47 51.4	216 6 7.6
635 Vundtia . .	—	—	12.6	8.5	1907 Juni 12.5	1910.0	227 8 54.1	214 50 24.0
636 Erika	Dez. 8	12.6	12.4	8.7	1907 März 2.5	1907.0	171 51 57.8	294 7 53.9
637 Chrysothemis	Sept. 16	14.6	14.0	9.8	1907 April 9.5	1908.0	8 19 36.0	172 25 44.1
638 Moira	Jan. 5	13.9	13.5	10.1	1907 Mai 20.5	1908.0	3 29 54.8	125 45 12.0
639 Latona . . .	Jan. 18	12.5	12.1	8.2	1913 Okt. 24.5	1910.0	40 54 14	62 34 51.1
640 Brambilla . .	—	—	13.0	8.8	1907 Okt. 22.5	1907.0	81 31 30.9	24 47 52.8

☊	i	φ	μ	log a	Autorität
170° 30′ 11.6″	16° 2′ 55.2″	6° 23′ 41.5″	640.8147	0.4955162	Svoboda
333 10 21.1	15 54 49.5	16 16 0.1	650.9343	0.490980	Varnum
343 40 3.7	8 7 47.4	8 28 45.5	869.24105	0.407243	Zimmer
12 27 26.0	4 40 21.2	14 21 36.2	627.045	0.501804	Stracke
343 21 36.0	19 40 12.9	7 45 29.6	679.007	0.478756	R. Coniel
319 2 3.6	8 39 46.5	12 29 1.0	853.184	0.412642	P. V. Neugebauer
286 5 16.5	10 4 37.8	4 32 56.8	737.698	0.454752	P. V. Neugebauer
295 1 36.8	9 23 5.6	6 42 29.1	675.233	0.480369	P. V. Neugebauer
166 26 48.0	4 9 12.5	1 54 54.8	654.955	0.489196	P V. Neugebauer
21 8 56.5	12 49 15.5	14 21 25.7	658.573	0.487602	P. V. Neugebauer
190 25 3.3	13 24 37.6	7 7 13.3	690.896	0.473729	Berberich
205 13 7.0	20 29 47.6	15 27 42.2	636.959	0.497262	Stracke
355 47 15.7	7 44 34.2	3 9 6.9	712.025	0.465008	P. V. Neugebauer
217 34 5.6	7 12 58.7	5 27 29.8	801.678	0.430672	P. V. Neugebauer
14 0 14.0	2 46 28.3	6 12 12.3	830.420	0.420472	P. V. Neugebauer
356 6 10.9	15 0 22.4	3 40 57.9	868.924	0.407350	P. V. Neugebauer
43 28 35.9	22 3 15.1	8 14 37.9	300.532	0.714744	Heinrich
111 30 24.9	17 1 46.8	3 27 5.4	622.091	0.504102	P. V. Neugebauer
187 39 15.4	13 38 56.9	4 18 7.3	886.616	0.401514	P. V. Neugebauer
0 18 18.3	7 46 1.1	7 44 31.4	931.23617	0.387298	Stouffer
67 46 12.3	2 22 7.5	8 44 20.0	646.397	0.493006	P. V. Neugebauer
142 24 53.6	8 38 44.5	14 8 38.8	944.890	0.383084	Hammond
308 29 59.6	14 11 32.6	6 35 32.0	918.318	0.391343	Kritzinger
341 59 15.0	18 8 45.3	1 56 29.5	293.1782	0.7219167	Strömgren
127 50 8.5	12 11 42.0	13 20 54.2	828.707	0.421070	P. V. Neugebauer
341 37 38.6	25 25 19.5	13 52 38.1	859.674	0.410448	P. V. Neugebauer
142 51 33.8	6 24 23.7	3 20 20.4	708.465	0.466460	P. V. Neugebauer
112 9 31.8	11 32 38.8	2 36 13.1	860.566	0.410150	P. V. Neugebauer
88 10 36.6	9 22 49.4	9 42 19.8	636.547	0.497450	P. V. Neugebauer
105 16 41.7	13 50 34.2	6 35 43.3	825.166	0.422310	P. V. Neugebauer
225 3 1.6	18 50 0.0	4 36 8.2	761.090	0.445713	P. V. Neugebauer
358 7 33.5	2 15 26.1	11 11 27.9	816.080	0.425516	P. V. Neugebauer
147 54 45.4	10 53 4.1	5 53 13.8	672.022	0.481750	P. V. Neugebauer
134 16 37.2	12 19 26.7	10 49 5.5	666.037	0.484340	P. V. Neugebauer
184 20 14.5	11 1 17.2	4 46 31.6	637.791	0.496886	P. V. Neugebauer
35 24 23.5	7 56 27.7	9 57 10.5	714.6833	0.463929	Hall
357 34 2.6	0 20 7.2	7 22 8.8	625.5773	0.502484	Snow
103 38 18.3	7 41 31.6	9 19 44.3	784.6983	0.436869	Snow
281 18 29.6	8 34 17.7	6 13 56.7	675.210	0.480378	Berberich
235 58 21.3	13 20 41.9	4 27 25.9	631.6072	0.499707	Kobold

Nr. und Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
							° ′ ″	° ′ ″
641 Agnes	—	—	14.5	12.3	1907 Okt. 13.5	1907.0	316 4 12.8	16 14 28.8
642 Clara	Jan. 10	12.7	13.5	9.3	1907 Okt. 13.5	1907.0	249 13 36.1	114 18 7.8
643 Scheherezade	—	—	13.9	9.4	1907 Sept. 12.5	1907.0	279 19 21.7	194 48 52.3
644 Cosima . . .	Aug. 22	12.3	13.1	10.0	1907 Nov. 6.5	1907.0	22 28 46.4	263 37 32.2
645 Agrippina .	Jan. 27	12.8	13.5	9.3	1907 Sept. 29.5	1907.0	284 39 33.0	89 8 41.6
646 Kastalia . . .	—	—	14.5	12.1	1907 Sept. 18.5	1907.0	13 16 3.9	35 25 9.3
647 Adelgunde .	Dez. 14	12.3	13.5	10.8	1907 Sept. 16.5	1907.0	311 18 23.4	173 15 10.9
648 Pippa	Febr. 24	12.2	13.1	8.9	1907 Sept. 16.5	1907.0	285 3 26.1	170 6 17.3
649 Josefa	Aug. 16	13.2	15.1	12.1	1907 Sept. 11.5	1907.0	7 4 30.0	346 49 8.9
650 Amalasuntha	—	—	14.7	11.9	1907 Okt. 4.5	1907.0	3 3 39.3	176 4 27.1
651 Antikleia . .	April 6	14.0	13.5	9.6	1907 Okt. 4.5	1907.0	9 56 25.8	349 23 52.7
652 Jubilatrix . .	Nov. 6	12.7	13.3	10.3	1907 Nov. 4.5	1907.0	43 0 32.1	274 33 0.7
653 Berenike . .	Mai 10	12.7	12.9	9.0	1907 Dez. 21.5	1909.0	250 49 12.4	49 0 19.2
654 Zelinda . . .	Jan. 18	9.5	11.1	8.7	1913 Sept. 13.5	1910.0	214 19 36.5	212 30 46.2
655 Briseïs . . .	April 18	13.0	12.6	8.7	1907 Dez. 11.5	1909.0	359 29 49.3	279 15 13.5
656 Beagle . . .	Juni 5	13.7	13.6	9.5	1910 Juli 11.0	1910.0	131 38 43.4	313 32 58.0
657 Gunlöd . . .	Nov. 29	13.9	13.7	10.6	1908 Jan. 28.5	1908.0	311 49 19.6	239 11 47.2
658 Asteria . . .	Juli 27	13.7	13.6	10.0	1908 Febr. 9.5	1908.0	57 58 54.4	65 6 46.0
659 Nestor	Dez. 17	14.7	14.4	7.7	1908 April 12.0	1910.0	241 41 46.0	328 4 54.2
660 Crescentia .	—	—	10.6	7.6	1908 Jan. 12.5	1908.0	221 57 35.9	107 23 10.3
661 Cloelia . . .	Juli 28	12.9	12.7	8.8	1908 Febr. 26.5	1908.0	20 26 7.8	154 47 9.0
662 Newtonia . .	Jan. 11	14.4	13.3	10.3	1908 April 26.5	1910.0	298 9 14.7	163 20 1.9
663 Gerlinde . .	Okt. 13	13.7	13.0	9.0	1908 Juni 27.5	1908.0	78 4 18.6	308 37 6.3
664 Judith	Nov. 8	14.9	14.2	10.0	1908 Juni 27.5	1908.0	6 21 50.5	90 4 28.3
665 Sabine . . .	Nov. 12	13.7	12.8	8.7	1908 Juli 27.5	1908.0	40 38 57.9	314 27 8.2
666 Desdemona .	April 12	14.8	13.6	10.5	1908 Juli 27.5	1908.0	314 31 43.3	171 2 1.5
667 Denise . . .	Nov. 25	12.8	13.4	9.2	1908 Aug. 24.5	1908.0	236 16 13.3	304 30 8.7
668 Dora	Jan. 11	15.9	15.0	11.5	1908 Aug. 21.5	1908.0	358 3 9.6	108 22 10.7
669 Kypria . . .	—	—	13.7	9.8	1908 Aug. 27.5	1908.0	53 59 9.5	99 54 9.0
670 Ottegebe . .	Febr. 7	14.0	13.4	9.9	1908 Nov. 15.0	1908.0	356 26 39.5	191 28 40.9
671 Carnegia . .	—	—	13.1	9.0	1908 Sept. 28.5	1910.0	280 19 26.0	88 15 33.0
672 Astarte . . .	März 26	13.4	13.3	10.3	1908 Sept. 24.5	1908.0	54 53 25.9	308 21 8.9
673 Edda	Jan. 25	12.9	13.0	9.4	1908 Sept. 24.5	1908.0	265 57 47.1	228 16 8.8
674 Rachel . . .	März 14	10.2	10.7	7.0	1912 Okt. 16.0	1910.0	236 8 0.5	39 2 32.0
675 Ludmilla . .	März 14	11.7	11.2	7.8	1908 Sept. 1.5	1908.0	315 3 23.6	148 16 2.4
676 Melitta . . .	April 10	12.9	12.5	8.5	1909 Jan. 27.5	1909.0	182 57 15.1	178 45 0.1
677 Aaltje	April 19	12.8	12.9	9.2	1909 März 15.0	1910.0	303 18 6.8	272 51 44.1
678 Fredegundis	Juni 29	13.0	12.6	9.6	1909 März 13.0	1910.0	71 37 48.3	116 51 32.8
679 Pax	Juni 18	11.1	10.9	7.8	1909 März 9.5	1910.0	100 19 3.7	264 45 23.3
680 Genoveva . .	April 28	12.0	13.2	8.9	1909 Mai 17.5	1909.0	306 45 38.9	237 50 12.3

Ω	*i*	φ	μ	log *a*	Autorität
40° 38′ 27.0″	1° 43′ 47.5″	7° 15′ 52.8″	1072.478″	0.346412	P. V. Neugebauer
7 21 52.5	8 12 23.4	8 2 31.3	627.201	0.501734	P. V. Neugebauer
255 22 17.4	13 47 35.6	4 26 16.1	577.5812	0.525596	G. Struve
108 52 41.9	1 2 20.0	9 18 25.2	841.850	0.416514	Palisa
0 47 29.7	7 4 16.1	8 56 0.6	620.253	0.504958	Frederickson
302 54 6.3	6 56 23.4	12 16 10.0	1000.933	0.366401	P. V. Neugebauer
254 44 6.5	7 18 38.0	11 11 53.9	929.838	0.387734	P. V. Neugebauer
292 41 59.2	9 59 11.4	12 44 41.0	624.825	0.502832	P. V. Neugebauer
357 12 59.5	12 46 42.7	16 16 15.1	869.564	0.407136	P. V. Neugebauer
215 40 20.4	2 33 31.8	10 46 12.3	918.478	0.391292	P. V. Neugebauer
38 49 59.8	10 45 10.0	5 23 25.2	673.39	0.48116	Stracke
86 15 29.2	15 43 11.0	7 14 9.8	869.682	0.407097	Hopfner
133 47 9.9	11 16 46.7	2 46 34.1	679.1475	0.478695	Snow
278 14 30.5	18 10 19.3	13 19 36.0	1019.48565	0.3610838	Millosevich
130 36 38.9	6 29 29.5	4 51 28.0	686.4657	0.475592	Lamson
186 5 15.9	0 26 38.9	7 56 19.3	635.069	0.498123	Berberich
298 13 21.1	10 16 48.2	6 15 55.4	843.374	0.415991	P. V. Neugebauer
352 11 10.1	1 32 13.5	3 18 45.4	732.015	0.456992	P. V. Neugebauer
350 0 0.9	4 31 31.1	6 26 43.6	301.0002	0.714293	Andersen
156 37 21.5	15 14 23.6	5 52 48.2	877.992	0.404344	Frederickson
336 48 24.2	9 20 55.0	2 22 32.7	678.143	0.479124	Stracke
133 30 23.2	4 6 8.0	12 43 4.0	870.112	0.406954	Daniel
233 46 58.4	17 45 16.5	8 42 58.5	659.479	0.487204	P. V. Neugebauer
175 51 38.6	8 31 5.8	14 2 19.2	628.749	0.501020	P. V. Neugebauer
299 49 27.4	14 38 7.4	9 49 56.3	634.836	0.498231	P. V. Neugebauer
215 34 41.9	7 34 9.7	13 56 19.3	850.116	0.413686	P. V. Neugebauer
153 54 14.8	25 16 0.5	9 49 23.3	618.029	0.505998	P. V. Neugebauer
216 2 50.2	6 48 13.0	13 20 26.6	759.640	0.446266	P. V. Neugebauer
171 20 12.8	10 54 45.5	6 5 53.4	676.435	0.479854	P. V. Neugebauer
175 10 26.8	7 32 37.2	11 16 55.6	756.0233	0.447648	Hellerich
1 43 13.7	8 2 47.0	3 29 21.8	649.936	0.491434	Stracke
344 2 11.5	11 0 17.5	7 28 2.9	871.386	0.406530	P. V. Neugebauer
228 9 40.5	2 49 46.9	0 37 43.5	750.907	0.449614	Stracke
58 51 20.1	13 36 40.5	11 9 17.4	709.6147	0.465989	Fessenkow
263 53 11.9	9 43 10.0	11 41 4.4	769.260	0.442622	Stracke
151 2 6.1	12 47 37.0	6 52 59.0	659.867	0.487034	P. V. Neugebauer
274 12 14.2	8 31 38.1	1 54 12.8	710.648	0.465568	Hopfner
282 17 18.1	6 2 59.1	12 34 57.1	859.332	0.410564	Hopfner
112 53 46.9	24 25 19.4	18 9 19.2	850.9616	0.413398	Zappa
40 53 16.7	18 1 16.3	16 9 54.1	624.125	0.503154	Stracke

Nr. und Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
							° ′ ″	° ′ ″
681 Gorgo	Juli 6	13.8	14.3	10.2	1909 Mai 17.5	1909.0	307 53 36.9	116 2 59.7
682 Hagar . . .	—	—	14.8	11.6	1909 Juni 20.5	1909.0	344 6 13.2	99 29 52.4
683 Lancia . . .	Aug. 25	12.7	12.4	8.3	1909 Juli 27.5	1909.0	131 33 13.3	269 8 22.6
684 Hildburg . .	Jan. 5	13.7	13.5	10.8	1909 Aug. 25.5	1909.0	25 44 45.9	315 29 13.3
685 Hermia . . .	März 28	13.9	13.5	11.2	1909 Aug. 16.5	1909.0	10 1 32.1	78 33 44.9
686 Gersuind . .	—	—	13.9	10.8	1909 Aug. 15.0	1910.0	356 24 20.4	85 29 53.0
687 Tinette . . .	—	—	14.8	11.4	1909 Aug. 16.5	1909.0	332 7 51.9	50 8 34.6
688 Melanie . . .	—	—	13.5	10.2	1909 Aug. 26.5	1909.0	26 57 24.7	137 55 28.0
689 Zita	April 7	15.3	14.2	11.8	1909 Sept. 12.5	1909.0	1 9 16.5	186 44 23.7
690 Wratislavia .	Dez. 11	11.4	11.8	7.7	1909 Nov. 3.5	1909.0	19 24 31.9	110 45 29.6
691 Lehigh . . .	—	—	12.8	8.9	1909 Dez. 31.0	1910.0	57 52 8.8	296 0 1.9
692 Hippodamia	—	—	13.3	8.8	1910 Mai 30.5	1910.0	82 20 7.0	46 44 13.0
693 Zerbinetta .	Dez. 27	13.0	12.8	9.0	1909 Sept. 26.5	1909.0	85 1 34.8	291 24 21.0
694 Ekard	Jan. 15	13.3	12.4	9.1	1909 Dez. 16.5	1913.0	49 23 40.2	108 14 27.3
695 Bella	Febr. 20	12.0	9.2	8.2	1909 Nov. 7.5	1909.0	47 13 37	77 45 11
696 Leonora. . .	—	—	13.2	9.0	1910 Febr. 1.5	1911.0	54 44 47.7	94 56 13.2
697 Galilea . . .	Febr. 26	13.3	12.5	8.8	1910 März 5.5	1910.0	153 39 23.8	330 32 21.7
698 Ernestina . .	März 30	13.4	13.8	10.2	1910 März 10.5	1910.0	23 55 34.5	97 20 29.3
699 Hela	Dez. 25	14.9	14.5	11.4	1914 Juni 20.0	1910.0	305 25 9.1	88 43 57.7
700 Auravictrix .	—	—	13.1	10.9	1910 Aug. 4.5	1910.0	64 9 50.5	98 40 38.9
701 [1910 *KN*] .	Juni 26	13.1	13.1	9.2	1910 Aug. 24.5	1910.0	106 40 38.0	306 37 20.0
702 [1910 *KQ*] .	Juni 13	12.0	12.0	7.8	1910 Aug. 4.5	1910.0	330 42 3.4	54 47 7.6
703 Noemi	März 3	14.5	13.9	11.9	1910 Okt. 14.5	1910.0	351 18 30.0	173 50 46.8
704 Interamnia .	Aug. 25	9.6	10.3	6.3	1912 Febr. 11.0	1910.0	96 37 5.8	91 57 21.0
705 [1910 *KU*] .	Okt. 14	12.0	12.1	8.3	1910 Dez. 14.5	1910.0	305 32 0.7	96 46 36.4
706 [1910 *KX*] .	Dez. 8	13.6	13.9	10.5	1910 Okt. 15.5	1910.0	10 2 0.7	28 52 0.3
707 [1910 *LD*] .	April 5	14.3	13.6	11.6	1911 Jan. 1.5	1910.0	71 38 55.0	88 27 44.6
708 Raphaela . .	—	—	13.2	10.0	1911 Febr. 3.5	1910.0	308 33 43.9	196 7 48.9
709 [1911 *LK*] .	—	—	12.1	8.4	1911 Febr. 19.5	1911.0	150 16 17.9	14 12 41.2
710 Gertrud . . .	—	—	14.1	10.0	1911 März 18.5	1911.0	299 33 0.2	98 56 34.3
711 Marmulla . .	Juli 14	11.6	13.0	10.8	1911 März 23.5	1911.0	251 40 3.0	299 11 21.4
712 Boliviana . .	—	—	11.5	8.3	1911 März 31.5	1911.0	39 57 22.2	185 9 39.3
713 [1911 *LS*]. .	—	—	12.9	8.3	1911 April 28.5	1911.0	220 10 2.1	128 34 51.3
714 [1911 *LW*] .	April 11	11.3	11.3	8.3	1911 Mai 25.5	1911.0	111 28 18.0	228 52 17.8
715 Transvaalia .	März 23	13.1	12.7	9.3	1911 Juni 2.5	1911.0	226 39 19.7	320 18 11.3
716 Berkeley . .	Juni 5	13.1	13.4	9.9	1911 Aug. 18.5	1911.0	118 6 10.0	48 49 5.7
717 [1911 *MJ*] .	April 17	15.1	14.0	9.9	1911 Sept. 0.5	1911.0	344 4 48.6	17 28 52.7
718 Erida	Juni 20	12.0	12.8	8.8	1914 April 1.5	1910.0	320 18 15.0	168 8 30.2
719 Albert . . .	Mai 21	16.1	17.6	14.5	1911 Okt. 1.5	1911.0	7 55 11.1	151 56 42.2
720 [1911 *MW*].	Juli 20	12.9	13.0	9.3	1911 Okt. 22.5	1911.0	154 20 9.4	184 20 11.8

Ω	i	φ	μ	log a	Autorität
° ' "	° ' "	° ' "	"		
179 2 24.7	12 34 11.0	4 46 49.3	648.157	0.492218	Stracke
191 37 25.1	11 28 24.3	9 42 1.0	826.032	0.422006	Stracke
260 37 20.6	18 29 56.6	2 45 18.5	643.696	0.494218	P. V. Neugebauer
336 42 54.2	5 29 21.7	1 43 47.9	929.525	0.387831	Stracke
235 21 32.3	3 38 20.5	11 19 5.6	1061.169	0.349474	Stracke
244 5 14.7	15 43 11.2	15 27 45.3	852.865	0.412751	Pechüle
335 8 22.4	14 57 45.2	15 46 10.9	791.1977	0.434481	Palisa
171 12 55.0	10 8 29.3	7 57 50.0	803.148	0.430141	Stracke
167 50 10.9	5 42 0.6	13 18 21.0	1011.533	0.363352	P. V. Neugebauer
254 44 54.4	11 12 8.1	10 43 59.7	637.190	0.497159	Weender
88 54 34.6	13 1 36.5	7 16 10.8	678.253	0.479076	Reynolds
65 4 58.8	26 23 25.3	9 29 46.7	570.8219	0.529004	Dubosq
352 22 15.2	14 11 37.3	1 28 32.6	701.873	0.469166	P. V. Neugebauer
231 27 21.7	15 45 23.4	18 52 2.3	813.347	0.426488	Nicholson, Bower
275 38 14	13 55 42	8 56 35	877.30	0.40457	Davis
302 57 52.3	12 53 1.7	13 56 7.4	621.910	0.504186	Snow
16 4 17.3	15 8 8.3	9 1 45.6	725.913	0.459414	Berberich
41 25 28.0	11 32 4.0	6 20 11.3	729.893	0.457832	Berberich
243 58 53.2	15 13 22.5	24 25 4.1	840.4675	0.4169905	Berberich
96 33 6.5	6 47 51.2	6 2 33.3	1065.639	0.348265	Palisa
244 53 6.7	7 4 44.2	1 49 17.2	678.435	0.478999	Palisa
290 30 16.4	20 32 20.8	0 52 52.9	621.8557	0.504212	Stracke
213 30 47.3	2 26 24.0	8 0 48.5	1106.287	0.337426	Hopfner
281 12 39.4	17 18 26.5	8 56 9.4	663.8679	0.485283	Cerulli
3 0 49.1	25 0 53.3	3 9 8.4	708.653	0.466382	Hopfner
325 39 25.7	14 30 43.5	11 15 23.9	785.6367	0.436517	Stracke
281 49 44.2	4 16 6.6	6 19 13.5	1102.621	0.338388	Stracke
355 41 22.6	3 30 46.0	4 53 7.8	812.569	0.426764	Berberich
324 55 44.6	16 18 20.4	6 37 54.3	714.180	0.464142	Stracke
140 41 28.6	1 44 43.0	7 5 51.7	646.829	0.492812	Hopfner
357 3 49.1	6 7 17.5	11 12 23.7	1062.444	0.349134	Hopfner
230 27 31.9	12 44 39.2	11 43 42.0	815.455	0.425740	Stracke
220 50 18.1	10 8 9.5	9 7 54.5	565.3338	0.531417	Stracke
233 51 2.7	14 21 9.7	2 35 16.8	874.166	0.405610	Stracke
46 22 33.2	14 9 59.8	3 47 48.5	780.97	0.438248	F. Cohn
146 57 6.6	8 27 42.5	5 5 17.2	754.565	0.448206	Stracke
346 33 1.6	1 45 1.8	14 53 37.5	634.630	0.498324	Stracke
39 44 16.3	6 58 13.0	11 28 39.3	664.412	0.485037	Strehlow
185 32 37.0	10 49 48.4	32 43 18.6	853.665	0.412479	v. Tolnay
36 4 3.8	2 24 11.7	1 12 3.9	735.812	0.455493	Berberich

Nr. und Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Aequ.	M	ω
721 Tabora . . .	April 18	14.6	14.0	9.2	1911 Okt. 18.5	1911.0	350° 8′ 47.4″	347° 47′ 24.5″
722 Frieda . . .	—	—	13.5	11.5	1911 Okt. 18.5	1911.0	72 41 2.6	256 45 36.1
723 Hammonia .	Juli 12	13.4	13.3	9.4	1911 Okt. 21.5	1911.0	349 26 13.7	243 55 53.1
724 Hapag . . .	Dez. 26	14.3	15.5	12.8	1911 Okt. 21.5	1911.0	351 55 48.2	203 13 50.7
725 Amanda . .	Okt. 5	12.1	13.5	10.5	1911 Okt. 21.5	1911.0	2 57 43.0	320 30 45.5
726 [1911 *NM*] .	—	—	13.4	10.7	1911 Nov. 22.5	1911.0	0 28 29.2	177 49 51.0
727 Nipponia . .	—	—	12.7	9.7	1912 Febr. 16.5	1912.0	72 22 52.3	272 42 48.3
728 Leonisis . .	—	—	14.3	12.0	1912 März 10.0	1912.0	2 10 16.5	66 30 34.8
729 [1912 *OD*] .	Dez. 20	13.2	12.9	9.4	1912 Febr. 9.5	1910.0	303 21 17.3	85 21 12.0
730 [1912 *OK*] .	Jan. 27	14.5	14.7	12.5	1912 Mai 10.5	1912.0	0 28 48.8	120 38 21.4
731 [1912 *OQ*] .	—	—	12.7	8.8	1912 Mai 19.5	1912.0	241 44 5.8	279 47 47.3
732 [1912 *OR*] .	—	—	13.1	10.3	1912 April 24.5	1912.0	335 53 7.0	63 43 43.2
733 [1912 *PF*] .	Febr. 18	12.8	13.0	8.5	1912 Sept. 19.5	1912.0	215 50 53.8	170 8 30.4
734 [1912 *PH*] .	April 13	13.7	13.4	9.2	1912 Okt. 11.5	1910.0	327 38 10.4	62 11 20.6
735 [1912 *PY*] .	April 14	13.6	12.4	9.0	1912 Dez. 9.5	1910.0	44 29 19.4	307 27 11.8
736 [1912 *PZ*] .	Sept. 22	11.2	12.3	10.2	1912 Nov. 16.5	1910.0	63 2 23.8	198 51 42.3
737 [1912 *QB*] .	Mai 4	11.0	11.2	8.1	1912 Dez. 7.5	1913.0	84 56 22.8	132 6 47.1
738 [1913 *QO*] .	Juli 8	13.6	13.4	9.5	1913 Jan. 7.5	1910.0	303 2 50.6	33 45 57.3
739 [1913 *QR*] .	Okt. 1	13.0	12.2	8.8	1913 März 1.5	1910.0	341 41 25.5	40 43 47.5
740 [1913 *QS*] .	Aug. 20	13.1	12.6	8.6	1913 März 1.5	1910.0	354 31 7.8	43 17 52.2
741 [1913 *QT*] .	Sept. 23	13.3	13.0	9.6	1913 Febr. 10.5	1910.0	351 37 10.0	56 29 20.9
742 [1913 *QU*] .	Juli 6	12.2	12.5	8.6	1913 Febr. 23.5	1910.0	142 22 3.7	285 13 24.8
743 [1913 *QV*] .	Aug. 28	12.9	13.0	9.5	1913 März 1.5	1910.0	98 8 17.2	182 34 42.1
744 [1913 *QW*] .	Aug. 15	14.1	13.6	9.4	1913 Febr. 27.5	1913.0	5 17 16.4	12 27 15.1
745 [1913 *QX*] .	Juli 24	14.0	13.6	9.3	1913 März 7.5	1910.0	23 24 5.3	2 1 54.6
746 [1913 *QY*] .	Sept. 17	11.2	12.5	8.4	1913 März 7.5	1910.0	219 45 53.2	306 24 7.6
747 [1913 *QZ*] .	Juni 12	12.0	11.0	7.2	1913 März 9.5	1913.0	84 50 56.6	272 47 51.2
748 Simeïsa . . .	Juni 21	14.1	13.5	8.2	1913 März 8.5	1910.0	57 52 37.8	196 4 12.8
749 Malzovia . .	—	—	14.0	11.8	1913 April 5.5	1913.0	331 58 40.3	126 49 20.6
750 [1913 *RG*] .	Dez. 13	13.4	13.8	11.1	1913 April 28.5	1913.0	62 3 54.4	72 12 56.3
751 Faïna	—	—	11.5	8.5	1913 Mai 9.5	1910.0	196 13 34.7	301 27 50.4
752 [1913 *RL*] .	Dez. 28	12.6	13.0	10.2	1913 Mai 10.5	1913.0	106 42 57.4	21 5 31.3
753 Tiflis	—	—	13.3	10.9	1913 April 30.5	1913.0	333 41 3.2	200 56 47.4
754 [1906 *UT*] .	Mai 22	13.0	12.8	8.9	1915 Mai 6.0	1910.0	113 18 9.2	297 12 51.3
755 [1908 *CZ*] .	Aug. 25	13.5	13.3	9.1	1915 Aug. 14.0	1910.0	98 39 31.2	39 49 3.3
756 [1908 *DC*] .	Aug. 10	14.3	13.9	9.6	1908 April 26.5	1908.0	22 46 15	345 36 5
757 [1908 *EJ*] .	Aug. 25	12.6	12.6	10.0	1908 Okt. 4.5	1908.0	318 40 46.6	41 54 50.5
758 Mancunia . .	—	—	11.3	7.0	1912 Juni 9.5	1912.0	200 0 25.3	309 2 52.7
759 [1913 *SJ*] . .	—	—	13.8	10.7	1913 Aug. 28.5	1913.0	8 10 35.5	358 8 0.1
760 [1913 *SL*] .	—	—	11.9	7.7	1913 Okt. 22.5	1913.0	184 12 22.0	194 8 54.3

Ω	i	φ	μ	log a	Autorität
41° 15′ 25″.5	8° 24′ 38″.7	6° 48′ 1″.5	526.849	0.552214	Berberich
45 35 57.3	5 34 29.8	8 0 39.0	1112.950	0.335687	Berberich
164 5 39.7	4 58 2.7	3 30 31.5	685.395	0.476044	Berberich
204 17 18.8	11 36 13.7	14 38 23.4	935.489	0.385979	Berberich
68 44 16.7	3 47 42.5	12 45 9.2	859.356	0.410556	Berberich
242 51 6.5	13 9 6.5	8 23 7.4	940.472	0.384444	Stracke
133 4 27.8	15 3 17.3	6 8 14.7	862.902	0.409362	Stracke
81 33 3.0	4 14 37.6	5 17 54.0	1036.278	0.356354	Hopfner
124 42 33.5	18 2 54.1	5 25 26.8	773.486	0.441036	Stracke
94 53 14.2	4 13 58.6	10 13 31.6	1055.373	0.351068	Burmeister
47 24 39.7	10 41 46.5	8 24 5.8	684.848	0.476274	Burmeister
173 9 3.6	10 59 51.7	2 37 14.8	919.068	0.391110	Stracke
342 28 34.0	20 18 14.0	3 22 28.3	566.132	0.531392	Berberich
4 35 35.7	5 50 56.0	5 35 54.1	634.960	0.498173	Stracke
43 39 23.6	16 43 23.3	18 47 17.8	786.957	0.436037	Berberich
135 26 24.3	4 22 22.3	9 30 52.4	1085.496	0.342919	Berberich
185 10 3.5	12 17 50.0	13 53 36.7	848.962	0.414079	Berberich
132 37 50.6	3 31 9.5	3 4 31.2	673.347	0.481179	Berberich
136 50 58.7	20 44 49.1	8 2 23.4	783.999	0.437127	Berberich
117 3 1.0	10 52 11.5	6 22 13.1	664.782	0.484885	Berberich
101 3 33.8	8 25 49.1	3 57 45.3	791.512	0.434366	Berberich
64 55 31.6	11 13 35.3	6 50 40.4	679.176	0.478683	Berberich
229 45 23.7	4 48 26.6	3 13 50.6	760.135	0.446077	Berberich
143 50 54.4	7 45 10.7	6 3 57.5	627.251	0.501710	Przybyllok
127 12 40.4	13 30 15.4	5 11 15.5	606.775	0.511319	Berberich
2 48 23.8	17 24 37.2	13 54 33.3	648.409	0.492104	Berberich
131 36 20.5	18 7 27.2	20 9 31.4	685.927	0.475819	Berberich
266 54 56.0	2 15 11.7	7 47 56.9	451.354	0.596942	Berberich
109 33 12.2	5 23 8.0	9 59 16.9	1055.977	0.350901	Berberich
69 50 16.4	3 56 10.9	6 52 24.1	931.672	0.387162	Stracke
78 50 45.7	15 34 34.1	8 53 25.2	872.265	0.406239	Berberich
84 40 57.9	5 59 5.6	4 14 55.4	917.800	0.391506	Stracke
61 13 49.7	10 7 21.0	12 46 31.4	998.424	0.367128	Przybyllok
180 20 11.2	24 20 35.0	2 58 39.1	687.8475	0.475010	Berberich
177 41 21.5	3 11 26.4	7 16 19.8	619.8765	0.505134	Berberich
209 11 4	19 56 6	6 52 25	612.32	0.50869	Burns, Mc. Kellean
22 22 18.4	8 11 22.8	6 12 43.8	970.658	0.375312	Stracke
107 10 9.6	5 33 53.4	6 26 23.1	612.610	0.508548	Stracke
318 19 18.3	19 56 54.1	11 58 55.0	838.262	0.417751	Berberich
333 25 43.7	12 49 39.7	13 22 29.8	636.19	0.497612	F. Cohn

Nr. und Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Aequ.	M ° ′ ″	ω ° ′ ″
761 [1913 *SO*] .	—	—	13.7	10.1	1913 Sept. 11.5	1913.0	33 46 35.0	294 39 25.3
762 [1913 *SQ*] .	—	—	11.7	7.5	1913 Sept. 3.5	1910.0	229 0 23.9	182 51 38.4
763 [1913 *ST*] .	März 13	15.4	14.6	12.4	1913 Okt. 2.5	1913.0	353 5 33.2	87 47 35.4
764 [1913 *SU*] .	Jan. 7	12.8	13.2	9.0	1913 Okt. 30.5	1913.0	322 3 1.8	163 4 6.2
765 [1913 *SV*] .	März 14	15.9	15.1	12.1	1913 Okt. 3.5	1913.0	344 39 2.3	69 42 34.7
766 [1913 *SW*] .	Jan. 28	12.6	12.9	9.0	1913 Okt. 7.5	1910.0	309 10 46.2	69 54 49.2
767 [1913 *SX*] .	Jan. 2	14.2	13.8	9.7	1913 Sept. 28.5	1910.0	20 45 4.9	258 32 10.1
768 [1913 *SZ*] .	Febr. 12	13.7	14.0	9.8	1913 Okt. 4.5	1913.0	335 43 30.7	11 34 37.9
769 [1913 *TA*] .	—	—	12.8	8.6	1913 Okt. 6.5	1910.0	74 54 1.7	240 43 25.1
770 [1913 *TE*] .	April 28	13.7	13.0	10.8	1913 Nov. 19.5	1910.0	351 31 59.0	17 44 16.7
771 Libera . . .	April 28	14.1	13.4	10.2	1913 Dez. 22.5	1914.0	358 29 4.7	225 6 32.0
772 [1913 *TR*] .	April 19	11.7	12.1	8.2	1913 Dez. 22.5	1914.0	260 56 52.5	141 46 16.7
773 [1913 *TV*] .	Febr. 18	12.7	12.4	8.8	1913 Dez. 22.5	1910.0	138 46 0.3	328 10 47.8
774 [1913 *TW*] .	Jan. 24	13.1	12.5	8.5	1914 Jan. 0.5	1914.0	156 42 36.6	16 2 48.1
775 [1914 *TX*] .	April 23	14.0	13.7	9.8	1914 Jan. 18.5	1914.0	15 32 58.8	138 25 58.2
776 [1914 *TY*] .	April 23	11.7	11.0	7.2	1914 Febr. 13.5	1914.0	99 56 20	301 30 58
777 [1914 *TZ*] .	April 11	13.2	13.9	9.6	1914 Jan. 28.5	1914.0	314 45 37.2	240 19 18.8
778 [1914 *UA*] .	April 15	14.5	14.1	9.9	1914 Jan. 31.5	1914.0	14 24 6.7	124 47 29.2
779 [1914 *UB*] .	März 29	12.2	11.5	8.2	1914 Jan. 31.5	1910.0	147 51 34.7	46 39 57.3
780 [1914 *UC*] .	April 10	13.2	12.7	8.6	1914 Jan. 27.5	1914.0	122 6 22.7	212 24 23.9
781 [1914 *UF*] .	April 19	12.8	13.1	8.8	1914 Jan. 25.5	1914.0	228 26 28.0	127 32 22.2
782 [1914 *UK*] .	Sept. 14	13.3	13.0	11.0	1914 März 18.5	1910.0	22 1 40.5	80 17 0.2
783 [1914 *UL*] .	Nov. 7	13.4	13.2	10.7	1914 März 18.5	1914.0	277 23 29.5	151 48 9.5
784 [1914 *UM*] .	Aug. 16	12.4	13.1	9.0	1914 März 31.5	1910.0	316 48 24.5	232 14 58.3
785 [1914 *UN*] .	Aug. 24	13.2	12.6	9.6	1914 April 1.5	1914.0	343 32 2.9	127 12 2.4
786 [1914 *UO*] .	Aug. 6	12.9	13.0	8.8	1914 April 21.5	1914.0	353 30 24.6	127 26 47.5
787 [1914 *UQ*] .	Okt. 7	12.4	12.8	9.8	1914 April 22.5	1914.0	281 16 47.4	125 28 29.9
788 [1914 *UR*] .	Aug. 16	12.8	12.6	8.5	1914 Mai 3.5	1914.0	12 15 51.4	37 8 52.2
789 [1914 *UU*] .	Okt. 30	14.4	14.1	10.8	1914 Juni 28.5	1914.0	359 43 30.1	40 40 34.5
790 [1912 *NW*] .	Sept. 11	12.4	12.7	8.1	1914 Juli 10.5	1914.0	348 22 38.5	31 57 33.7
791 [1914 *UV*] .	Nov. 7	13.2	13.7	9.6	1914 Juli 15.5	1914.0	322 30 0.1	199 44 59.0
1894 *BD*	—	—	13.3	11.3	1894 Nov. 1.5	1900.0	337 18 8.4	356 39 18.9
1900 *GA*	—	—	18.0	16.0	1900 Juni 30.5	1900.0	350 15 39.3	196 8 5.5
1901 *GY*	—	—	13.1	9.7	1908 März 22.5	1910.0	73 37 44.1	280 3 49.7
1904 *OR*	—	—	14.6	10.5	1904 Okt. 3.5	1904.0	357 7 3.9	60 22 31.4
1906 *WA*	—	—	13.6	9.5	1906 Okt. 25.5	1906.0	335 44 25.8	235 55 34.2
1906 *WF*	—	—	—	—	1906 Nov. 21.5	1906.0	0 47 23.5	338 59 20.9
1907 *YC*	—	—	12.8	9.7	1907 März 15.5	1910.0	265 24 16.8	217 36 31.5
1907 *ZC*	—	—	12.8	9.7	1907 April 17.5	1907.0	53 1 6.2	222 41 44.4

Ω	i	φ	μ	log a	Autorität
° ′ ″	° ′ ″	° ′ ″	″		
24 23 29.9	2 11 10.2	3 32 59.5	732.767	0.456693	Berberich
306 38 30.4	13 8 12.7	6 1 21.9	633.749	0.498726	Berberich
289 52 38.3	4 4 47.3	9 35 0.2	1056.981	0.350625	Berberich
260 10 6.7	10 2 37.4	5 29 26.8	623.018	0.503671	Dick
326 58 34.9	5 34 23.2	16 20 1.1	874.035	0.405654	Stracke
8 38 37.1	10 3 49.4	5 37 46.4	674.525	0.480672	Berberich
80 33 6.3	2 26 17.5	10 26 26.0	644.564	0.493827	Berberich
39 48 18.8	16 19 52.8	11 43 35.0	635.381	0.497982	Berberich
41 20 12.4	7 29 37.2	10 11 24.5	629.302	0.500765	Berberich
44 20 38.8	4 23 43.0	8 48 57.2	1066.725	0.347969	Berberich
218 34 51.4	14 59 54.9	14 15 40.7	822.010	0.423420	Hopfner
64 7 19.4	28 52 20.3	5 8 31.9	684.608	0.476376	Berberich
322 38 57.9	16 41 31.2	4 27 56.0	732.988	0.456606	Berberich
251 44 54.2	5 31 32.8	8 40 44.5	662.860	0.485722	Stracke
321 22 9.1	12 1 52.0	8 17 4.0	678.325	0.479046	Lagrula
79 51 2	18 9 27	8 7 24	709.392	0.46608	Fabry
286 46 3.3	13 3 36.7	8 24 6.4	611.314	0.509162	Berberich
324 27 42.1	13 20 29.3	15 53 2.6	629.631	0.500614	Berberich
284 1 3.3	14 37 7.5	12 44 51.1	812.695	0.426719	Berberich
145 25 43.4	19 0 47.0	4 46 47.6	643.558	0.494282	Stracke
140 6 32.4	18 48 28.0	4 55 22.4	608.777	0.510366	Berberich
80 5 47.6	5 15 57.6	2 13 39.3	1102.387	0.338448	Berberich
141 50 17.3	9 15 31.1	13 32 57.0	985.550	0.370886	Stracke
17 5 32.9	12 33 48.4	12 41 4.2	644.549	0.493833	Berberich
72 25 55.3	12 41 7.2	12 12 15.3	860.223	0.410264	Berberich
91 30 18.0	14 22 43.2	8 39 23.0	623.267	0.503555	Berberich
184 2 22.3	14 56 4.5	7 6 16.5	876.725	0.404762	Berberich
179 9 45.4	14 23 3.2	6 47 44.9	639.966	0.495899	Berberich
233 5 39.0	10 48 24.7	8 16 37.6	803.576	0.429986	Berberich
253 37 37.9	20 34 10.9	8 31 53.9	564.310	0.532326	F. Cohn
130 30 2.2	16 25 28.5	11 29 18.4	645.609	0.493358	Strehlow
72 35 44.3	3 27 48.4	8 33 50.4	1104.735	0.337832	Berberich
97 36 55.6	6 56 23.1	16 22 55.0	1122.174	0.333298	Leuschner
181 27 0.5	4 27 9.1	5 20 48.4	791.182	0.434487	Berberich
301 18 11.1	5 28 38.8	9 4 57.1	642.729	0.494652	Berberich
193 50 5.4	9 15 15.4	8 51 34.8	649.218	0.491744	P. V. Neugebauer
60 53 33.7	13 55 18.2	8 18 35.7	661.939	0.486126	Rootsmann
59 53 53.6	4 17 5.1	9 8 52.1	842.763	0.416200	Berberich
265 41 36.5	8 38 18.2	7 33 27.1	835.526	0.418698	F. Cohn

Name	Opposition 1915	Gr.	m_0	g	Epoche und Oskulation	Mittl. Aequ.	M	ω
							° ′ ″	° ′ ″
1907 *ZD*	—	—	12.5	9.0	1907 April 17.5	1910.0	235 48 18.3	306 25 50.9
1907 *AL*$_1$	—	—	14.4	12.3	1907 Nov. 10.5	1907.0	11 8 34.2	356 31 49.5
1908 *CK*	—	—	13.8	10.0	1908 März 3.5	1910.0	337 46 56.6	298 2 35.3
1908 *CY*	—	—	13.3	9.1	1908 April 4.5	1910.0	339 47 26.9	95 11 44.2
1908 *DW*	—	—	16.5	13.3	1908 Sept. 21.5	1908.0	19 30 32.5	129 26 55.2
1908 *EK*[a]	—	—	13.0	10.8	1908 Nov. 15.5	1908.0	308 1 15.7	262 26 2.3
1911 *LU*	—	—	13.0	8.7	1911 April 28.5	1911.0	27 5 36.5	135 0 19.0
1911 *MF*[d]	—	—	—	—	1911 Juli 20.5	1911.0	353 6 7	22 1 24
1913 *TB*	—	—	13.3	9.8	1913 Okt. 6.5	1913.0	88 0 15.6	134 55 20.4
1913 *TC*	—	—	14.7	11.5	1913 Nov. 1.5	1913.0	21 39 32.2	0 43 21.2

KREISBAHNEN

Planet	m_0	Epoche	Argument der Breite	Ω	i	μ	log a
			° ′ ″	° ′ ″	° ′ ″	″	
1893 *C*	13.5	1893 Jan. 23.5	167 48 0	321 27 42	3 33 48	1182.9	0.31804
1893 *X*	13	1893 März 21.5	112 50 17	72 17 48	1 34 4	423.40	0.61550
1893 *Y*	13	1893 April 17.5	79 39 46	124 24 8	0 18 4	549.95	0.53980
1894 *AW*	12	1894 Febr. 3.5	62 6 12	21 39 36	4 33 42	996.0	0.36781
1896 *CU*	12.0	1896 Sept. 3.5	100 46 25	243 53 26	5 51 46	692.17	0.47320
1898 *DW*	13.5	1898 Nov. 19.5	181 1 17	229 11 55	14 40 58	841.15	0.41675
1898 *DX*	—	1898 Nov. 19.5	182 5 12	227 3 49	22 26 34	589.39	0.51973
1898 *DY*	13.5	1898 Nov. 13.5	198 18 19	216 46 18	3 15 55	673.12	0.48128
1898 *DZ*	12.5	1898 Nov. 17.5	174 26 37	239 40 46	3 53 1	881.73	0.40312
1898 *EA*	13	1898 Nov. 13.5	181 15 2	227 33 5	27 23 43	508.71	0.56236
1900 *FL*	14.0	1900 Sept. 28.5	152 4 21	197 51 1	6 39 4	768.78	0.44280
1902 *HY*	12.5	1902 Juni 2.5	164 42 33	68 13 39	9 0 13	656.86	0.48836
1903 *LD*	12.5	1903 Jan. 18.5	181 6 10	300 36 51	15 33 1	754.21	0.44834
1903 *LX*[a]	—	1903 Sept. 1.5	38 57 42	287 19 24	7 21 12	709.92	0.46587
1903 *LZ*	13.5	1903 Aug. 30.5	153 22 42	189 17 0	9 22 0	759.30	0.44640
1903 *MC*	13.2	1903 Sept. 29.5	185 33 38	167 13 30	26 16 59	564.44	0.53225
1903 *MD*	13.5	1903 Sept. 29.5	358 34 29	354 45 52	14 35 22	654.46	0.48942
1903 *MF*	13.5	1903 Sept. 29.5	183 25 53	171 9 13	10 55 45	783.09	0.43746
1903 *MM*	12.7	1903 Okt. 14.5	181 15 12	195 37 36	4 56 48	714.71	0.46392
1903 *MN*	12.0	1903 Okt. 24.5	350 9 6	39 35 0	7 51 54	945.90	0.38276
1903 *NF*	12	1903 Dez. 18.5	216 0 54	230 11 48	15 16 54	849.85	0.41380
1903 *NG*	13.0	1903 Nov. 14.5	178 3 42	230 52 18	8 38 12	649.73	0.49152
1904 *OP*	13.7	1904 Sept. 5.5	45 37 34	293 4 6	13 37 4	735.20	0.45572
1904 *QW*	12.0	1904 April 4.5	70 11 57	108 54 13	11 14 22	716.53	0.46318
1905 *RN*	13.5	1905 Okt. 24.5	63 34 0	336 9 12	3 12 42	828.93	0.42100

☊	i	φ	μ	log a	Autorität
36° 25′ 2.″2	15° 53′ 41.″2	7° 20′ 19.″2	759.″052	0.446490	Berberich
36 50 59.2	6 35 34.2	9 13 29.3	1099.71	0.339153	Strehlow
261 12 27.9	2 44 3.0	9 21 9.6	694.945	0.472037	Berberich
139 1 12.9	2 4 35.8	4 22 5.7	622.784	0.503779	Berberich
178 11 33.9	6 17 23.5	27 13 22.8	818.534	0.42464	Palisa
203 21 31.5	6 1 53.9	5 42 44.0	1053.82	0.351492	Strehlow
45 55 48.3	18 52 40.3	10 34 32.9	617.55	0.506226	F. Cohn
288 46 49	12 17 17	20 8 9	741.70	0.45319	Wood
141 51 59.5	8 4 10.6	7 35 14.2	762.688	0.445110	Stracke
354 38 11.2	8 54 47.3	12 38 14.7	812.91	0.426644	F. Cohn

KREISBAHNEN

Planet	m_0	Epoche	Argument der Breite	☊	i	μ	log a
1906 *UK*	12.9	1906 Mai 14.5	102° 21′ 52″	131° 2′ 1″	12° 20′ 4″	776.″69	0.43984
1906 *VE*	—	1906 Sept. 15.5	19 39 36	332 46 24	16 10 54	788.20	0.43558
1906 *VG*	12.9	1906 Sept. 24.5	331 43 58	37 51 57	3 2 43	658.81	0.48750
1906 *VW*	13.5	1906 Nov. 11.5	190 13 12	207 30 36	9 19 42	799.40	0.43150
1906 *VX*	13.3	1906 Nov. 11.5	350 31 6	46 39 30	7 44 30	588.99	0.51994
1906 *WD*	12.2	1906 Okt. 26.5	195 49 0	203 7 0	48 8 0	387	0.6595
1906 *WH*	13.2	1906 Nov. 11.5	202 39 45	213 29 5	1 51 35	1195.06	0.31508
1907 *AL_2*	13.6	1907 Nov. 4.5	185 57 56	223 4 3	11 5 49	818.34	0.42471
1907 *AO*	13.8	1907 Nov. 1.5	167 38 51	238 35 59	15 53 49	619.68	0.50523
1907 *XV*	13.5	1907 März 12.5	68 19 30	82 27 36	10 52 24	567.56	0.53000
1907 *YR*	13.5	1907 April 18.5	85 46 47	97 13 3	6 59 40	470.40	0.58510
1908 *BN*	18.0	1908 Jan. 18.5	254 52 11	206 40 46	11 9 16	405.13	0.62828
1908 *MF*	12	1908 Dez. 19.5	338 19 58	111 32 39	25 27 41	700.34	0.46980
1910 *JY*	13.0	1910 April 5.5	356 14 50	193 7 28	14 54 50	654.05	0.48960
1911 *MU*	13.0	1911 Okt. 16.5	203 2 2	169 53 57	16 57 24	578.89	0.52494
1912 *OL*	13.9	1912 April 12.5	334 2 11	225 49 14	16 51 4	277.91	0.73740
1912 *ON*	13.9	1912 April 12.5	303 31 54	258 5 35	4 58 59	312.48	0.70345
1912 *OX*	—	1912 April 24.5	7 42 17	204 16 17	0 21 17	831.3	0.42021
1912 *OY*	—	1912 April 24.5	201 16 11	11 3 55	7 58 16	959.2	0.37880
1913 *SY*	13.5	1913 Okt. 2.5	246 51 12	124 56 18	3 22 42	651.01	0.49094
1913 *TF*	13.2	1913 Okt. 31.5	31 29 54	4 9 18	19 37 30	630.50	0.50021
1913 *TG*	13.2	1913 Okt. 31.5	207 6 42	205 38 12	19 10 54	652.24	0.49040

Mittleres Aequinoktium des Jahresanfangs.

1915	α_{1910}		δ_{1910}		(log r) log Δ
(297) Caecilia			13.8		1913
Jan. −14	$6^h\ 58.2^m$	7.3	$+31°\ 31'$	5	(0.539)
− 6	$_1$6 50.9	7.5	+31 36	—	0.398
2	6 43.4	7.3	+31 36	4	0.398
10	6 36.1	6.8	+31 32	9	0.402
18	6 29.3	5.8	+31 23	14	0.408
26	6 23.5		+31 9		(0.544)
(207) Hedda			11.9		1907
Jan. −14	7 5.4	8.9	+28 43	23	(0.365)
− 6	$_1$6 56.5	9.6	+29 6	16	0.128
2	6 46.9	9.6	+29 22	10	0.125
10	6 37.3	8.7	+29 32	2	0.129
18	6 28.6	7.1	+29 34	— 5	0.137
26	6 21.5		+29 29		(0.363)
(435) Ella			12.2		1912
Jan. −14	7 6.2	8.7	+25 27	17	(0.394)
− 6	$_2$6 57.5	9.1	+25 44	12	0.181
2	6 48.4	8.9	+25 56	9	0.183
10	6 39.5	8.0	+26 5	4	0.190
18	6 31.5	6.6	+26 9	0	0.201
26	6 24.9		+26 9		(0.406)
(767) [1913 *SX*]			14.2		1913
Jan. −6	6 56.1	7.3	+23 59	13	(0.522)
2	$_2$6 48.8	7.1	+24 12	11	0.372
10	6 41.7	6.7	+24 23	9	0.376
18	6 35.0	5.7	+24 32	6	0.384
26	6 29.3	4.4	+24 38	5	0.394
Febr. 3	6 24.9		+24 43		(0.529)
(402) Chloë			10.2		1913
Jan. −6	6 57.1	7.8	+12 30	48	(0.369)
2	$_2$6 49.3	7.9	+13 18	55	0.133
10	6 41.4	7.4	+14 13	59	0.133
18	6 34.0	6.1	+15 12	62	0.138
26	6 27.9	4.4	+16 14	61	0.149
Febr. 3	6 23.5		+17 15		(0.364)
(495) Eulalia			12.2		1908
Jan. −6	7 0.7	8.5	+18 51	12	(0.366)
2	$_2$6 52.2	8.4	+19 3	13	0.132
10	6 43.8	7.6	+19 16	14	0.138
18	6 36.2	6.1	+19 30	14	0.150
26	6 30.1	4.4	+19 44	13	0.166
Febr. 3	6 25.7		+19 57		(0.378)

1915	α_{1910}		δ_{1910}		(log r) log Δ
(106) Dione			11.0		1913
Jan. −6	$7^h\ 2.1^m$	7.4	$+26°\ 51'$	20	(0.471)
2	$_3$6 54.7	7.4	+27 11	16	0.298
10	6 47.3	6.8	+27 27	11	0.302
18	6 40.5	5.9	+27 38	7	0.311
26	6 34.6	4.4	+27 45	2	0.323
Febr. 3	6 30.2		+27 47		(0.480)
(93) Minerva			11.6		1913
Jan. −6	7 5.0	8.6	+35 0	14	(0.498)
2	$_3$6 56.4	8.7	+35 14	5	0.337
10	6 47.7	8.2	+35 19	— 4	0.339
18	6 39.5	7.2	+35 15	12	0.344
26	6 32.3	5.6	+35 3	18	0.353
Febr. 3	6 26.7		+34 45		(0.496)
(431) Nephele			13.2		1913
Jan. −6	7 3.7	6.8	+21 58	14	(0.540)
2	$_3$6 56.9	7.0	+22 12	11	0.397
10	6 49.9	6.6	+22 23	10	0.400
18	6 43.3	5.8	+22 33	9	0.406
26	6 37.5	4.7	+22 42	8	0.415
Febr. 3	6 32.8		+22 50		(0.546)
(638) Moira			13.9		1911
Jan. −6	7 11.3	7.6	+22 7	31	(0.470)
2	$_5$7 3.7	7.9	+22 38	29	0.292
10	6 55.8	7.8	+23 7	28	0.290
18	6 48.0	6.9	+23 35	24	0.293
26	6 41.1	5.7	+23 59	21	0.300
Febr. 3	6 35.4		+24 20		(0.462)
(339) Dorothea			13.1		1913
Jan. −6	7 11.3	6.6	+ 9 0	12	(0.505)
2	$_5$7 4.7	6.7	+ 9 12	18	0.351
10	6 58.0	6.5	+ 9 30	24	0.352
18	6 51.5	5.7	+ 9 54	29	0.357
26	6 45.8	4.7	+10 23	31	0.365
Febr. 3	6 41.1		+10 54		(0.509)
(575) Renate			14.0		1913
Jan. −6	7 16.9	10.5	+43 49	9	(0.437)
2	$_5$7 6.4	10.8	+43 58	— 10	0.257
10	6 55.6	10.0	+43 48	25	0.260
18	6 45.6	8.6	+43 23	39	0.267
26	6 37.0	6.5	+42 44	50	0.278
Febr. 3	6 30.5		+41 54		(0.443)

Die Jahreszahl gibt das Jahr der letzten mit Sicherheit identifizierten Beobachtung an. Ein * bei der Nr. weist auf die weiter unten folgende ausführlichere Ephemeride hin.

(684) Hildburg 13.7 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. −6	7h 18.3m	9.0	+29° 37′	8	(0.401)
2	[5] 7 9.3	9.4	+29 45	2	0.187
10	6 59.9	9.0	+29 47	7	0.187
18	6 50.9	7.7	+29 40	13	0.193
26	6 43.2	5.9	+29 27	19	0.204
Febr. 3	6 37.3		+29 8		(0.401)

(25) Phocaea 11.9 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. −6	7 20.1	7.6	− 7 49	18	(0.473)
2	7 12.5	8.0	− 8 7	2	0.321
10	[6] 7 4.5	7.6	− 8 9	15	0.320
18	6 56.9	7.0	− 7 54	29	0.324
26	6 49.9	5.9	− 7 25	41	0.331
Febr. 3	6 44.0		− 6 44		(0.476)

(283) Emma 12.0 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. −6	7 23.3	7.4	+26 29	0	(0.495)
2	7 15.9	7.7	+26 29	4	0.334
10	[7] 7 8.2	7.5	+26 25	7	0.336
18	7 0.7	6.7	+26 18	10	0.342
26	6 54.0	5.7	+26 8	13	0.351
Febr. 3	6 48.3		+25 55		(0.503)

(764) [1913 *SU*] 12.8 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. −6	7 24.4	6.7	+15 45	14	(0.470)
2	7 17.7	7.1	+15 31	10	0.296
10	[7] 7 10.6	6.8	+15 21	6	0.296
18	7 3.8	6.3	+15 15	5	0.301
26	6 57.5	5.3	+15 10	1	0.310
Febr. 3	6 52.2		+15 9		(0.474)

(539) Pamina 13.0 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. −6	7 33.2	8.1	+19 57	4	(0.426)
2	7 25.1	8.3	+19 53	3	0.233
10	[8] 7 16.8	8.0	+19 50	3	0.236
18	7 8.8	7.2	+19 47	3	0.244
26	7 1.6	5.9	+19 44	3	0.256
Febr. 3	6 55.7		+19 41		(0.441)

(248) Lameia 13.3 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. −6	7 33.9	7.9	+17 42	4	(0.414)
2	7 26.0	8.4	+17 46	6	0.208
10	[9] 7 17.6	8.3	+17 52	8	0.205
18	7 9.3	7.7	+18 0	8	0.207
26	7 1.6	6.4	+18 8	8	0.214
Febr. 3	6 55.2		+18 16		(0.410)

(260) Huberta 14.2 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. −6	7h 36.4m	5.7	+14° 10′	13	(0.566)
2	7 30.7	6.0	+14 23	17	0.435
10	[10] 7 24.7	6.1	+14 40	19	0.434
18	7 18.6	5.7	+14 59	20	0.437
26	7 12.9	5.0	+15 19	22	0.442
Febr. 3	7 7.9		+15 41		(0.570)

(642) Clara 12.7 1910

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. −6	7 42.4	7.1	+33 58	23	(0.438)
2	7 35.3	7.9	+34 21	14	0.251
10	[10] 7 27.4	8.0	+34 35	4	0.248
18	7 19.4	7.4	+34 39	5	0.251
26	7 12.0	6.0	+34 34	14	0.257
Febr. 3	7 6.0		+34 20		(0.437)

(662) Newtonia 14.4 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 2	7 37.1	7.8	+19 6	24	(0.492)
10	[11] 7 29.3	8.0	+19 30	24	0.328
18	7 21.3	7.5	+19 54	23	0.329
26	7 13.8	6.6	+20 17	21	0.335
Febr. 3	7 7.2	5.3	+20 38	19	0.345
11	7 1.9		+20 57		(0.493)

(668) Dora 15.9 1908

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 2	7 36.9	7.1	+12 10	11	(0.515)
10	[11] 7 29.8	7.2	+12 21	15	0.363
18	7 22.6	6.8	+12 36	18	0.366
26	7 15.8	5.9	+12 54	19	0.372
Febr. 3	7 9.9	4.9	+13 13	20	0.382
11	7 5.0		+13 33		(0.521)

(625) Xenia 12.9 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 2	7 41.3	7.5	+15 51	41	(0.483)
10	[12] 7 33.8	7.6	+16 32	42	0.316
18	7 26.2	7.3	+17 14	42	0.319
26	7 18.9	6.5	+17 56	40	0.327
Febr. 3	7 12.4	5.1	+18 36	38	0.338
11	7 7.3		+19 14		(0.491)

(520) Franziska 13.6 1906

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 2	7 46.4	8.3	+37 28	31	(0.449)
10	[13] 7 38.1	8.4	+37 59	18	0.270
18	7 29.7	8.0	+38 17	6	0.274
26	7 21.7	6.9	+38 23	6	0.282
Febr. 3	7 14.8	5.2	+38 17	17	0.293
11	7 9.6		+38 0		(0.455)

(566) Stereoskopia 12.0 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 2	7h 46.8m	6.6	+24° 40'	26	(0.525)
10	$_{13}$7 40.2	6.8	+25 6	23	0.376
18	7 33.4	6.4	+25 29	18	0.379
26	7 27.0	5.8	+25 47	15	0.385
Febr. 3	7 21.2	4.6	+26 2	10	0.394
11	7 16.6		+26 12		(0.531)

(344) Desiderata 13.1 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 2	7 51.2	9.6	+43 50	41	(0.531)
10	$_{13}$7 41.6	9.9	+44 31	27	0.392
18	7 31.7	9.6	+44 58	13	0.393
26	7 22.1	8.7	+45 11	—	0.395
Febr. 3	7 13.4	7.3	+45 11	13	0.402
11	7 6.1		+44 58		(0.528)

(294) Felicia 14.5 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 2	7 48.0	6.3	+17 33	22	(0.579)
10	$_{13}$7 41.7	6.5	+17 55	23	0.452
18	7 35.2	6.2	+18 18	23	0.453
26	7 29.0	5.7	+18 41	22	0.457
Febr. 3	7 23.3	4.8	+19 3	21	0.464
11	7 18.5		+19 24		(0.584)

(404) Arsinoë 13.1 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 2	7 51.8	8.2	+27 43	68	(0.414)
10	$_{13}$7 43.6	8.8	+28 51	63	0.204
18	7 34.8	8.8	+29 54	55	0.200
26	7 26.0	7.9	+30 49	45	0.201
Febr. 3	7 18.1	6.4	+31 34	33	0.208
11	7 11.7		+32 7		(0.399)

(427) Galene 13.4 1908

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 2	7 55.1	6.8	+21 41	10	(0.521)
10	$_{14}$7 48.3	7.3	+21 51	8	0.369
18	7 41.0	7.1	+21 59	7	0.369
26	7 33.9	6.4	+22 6	4	0.373
Febr. 3	7 27.5	5.5	+22 10	2	0.380
11	7 22.0		+22 12		(0.522)

(694) Ekard 13.3 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 2	7 58.0	7.4	+ 0 5	3	(0.494)
10	$_{15}$7 50.6	7.5	+ 0 2	7	0.345
18	7 43.1	7.3	+ 0 9	17	0.346
26	7 35.8	6.6	+ 0 26	26	0.352
Febr. 3	7 29.2	5.6	+ 0 52	32	0.361
11	7 23.6		+ 1 24		(0.507)

(135) Hertha 11.4 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 2	8h 4.7m	8.3	+23° 9'	22	(0.453)
10	$_{16}$7 56.4	8.8	+23 31	19	0.271
18	7 47.6	8.5	+23 50	15	0.272
26	7 39.1	7.8	+24 5	10	0.277
Febr. 3	7 31.3	6.5	+24 15	7	0.287
11	7 24.8		+24 22		(0.458)

(10) Hygiea 9.8 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 2	8 3.3	6.4	+19 42	10	(0.518)
10	$_{16}$7 56.9	7.1	+19 52	12	0.364
18	7 49.8	6.9	+20 4	10	0.361
26	7 42.9	6.4	+20 14	9	0.362
Febr. 3	7 36.5	5.6	+20 23	7	0.366
11	7 30.9		+20 30		(0.512)

(271) Penthesilea 12.8 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 2	8 8.7	7.0	+23 54	17	(0.472)
10	$_{17}$8 1.7	7.6	+24 11	14	0.300
18	7 54.1	7.3	+24 25	11	0.300
26	7 46.8	6.8	+24 36	7	0.305
Febr. 3	7 40.0	5.7	+24 43	1	0.313
11	7 34.3		+24 44		(0.478)

(72) Feronia 11.9 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 2	8 12.7	7.9	+11 11	15	(0.403)
10	$_{17}$8 4.8	8.5	+11 26	21	0.195
18	7 56.3	8.6	+11 47	27	0.192
26	7 47.7	7.8	+12 14	31	0.195
Febr. 3	7 39.9	6.7	+12 45	31	0.202
11	7 33.2		+13 16		(0.405)

(159) Aemilia 11.7 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 10	8 7.2	6.7	+17 11	36	(0.448)
18	$_{18}$8 0.5	6.7	+17 47	36	0.261
26	7 53.8	6.2	+18 23	36	0.263
Febr. 3	7 47.6	5.3	+18 59	32	0.270
11	7 42.3	4.0	+19 31	29	0.280
19	7 38.3		+20 0		(0.450)

(639) Latona 12.5 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 10	8 8.1	7.0	+16 44	4	(0.509)
18	$_{18}$8 1.1	7.1	+16 48	4	0.351
26	7 54.0	6.7	+16 52	5	0.353
Febr. 3	7 47.3	5.8	+16 57	5	0.360
11	7 41.5	4.7	+17 2	4	0.370
19	7 36.8		+17 6		(0.513)

(654) Zelinda 9.5 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 10	8h 11.6m	10.2	+ 7° 20′	127	(0.250)
18	8 1.4	10.3	+ 5 13	110	9.906
26	[18] 7 51.1	9.1	+ 3 23	91	9.908
Febr. 3	7 42.0	7.3	+ 1 52	69	9.917
11	7 34.7	4.5	+ 0 43	48	9.933
19	7 30.2		− 0 5		(0.248)

(446) Aeternitas 12.0 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 10	8 19.1	8.2	+34 51	34	(0.491)
18	8 10.9	8.4	+35 25	23	0.330
26	[20] 8 2.5	8.0	+35 48	12	0.333
Febr. 3	7 54.5	7.0	+36 0	1	0.340
11	7 47.5	5.6	+36 1	−8	0.350
19	7 41.9		+35 53		(0.493)

(628) Christine 12.5 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 10	8 19.0	7.7	+21 23	58	(0.427)
18	8 11.3	8.0	+22 21	57	0.228
26	[20] 8 3.3	7.5	+23 18	53	0.230
Febr. 3	7 55.8	6.6	+24 11	44	0.236
11	7 49.2	5.2	+24 55	36	0.247
19	7 44.0		+25 31		(0.428)

(158) Koronis 12.2 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 10	8 22.7	7.2	+18 57	20	(0.443)
18	8 15.5	7.4	+19 17	21	0.255
26	[21] 8 8.1	7.0	+19 38	19	0.256
Febr. 3	8 1.1	6.3	+19 57	15	0.262
11	7 54.8	4.9	+20 12	12	0.271
19	7 49.9		+20 24		(0.447)

(269) Justitia 13.6 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 10	8 25.0	7.1	+14 21	30	(0.489)
18	8 17.9	7.6	+14 51	33	0.321
26	[22] 8 10.3	7.4	+15 24	35	0.319
Febr. 3	8 2.9	6.7	+15 59	33	0.321
11	7 56.2	5.7	+16 32	31	0.326
19	7 50.5		+17 3		(0.482)

(136) Austria 11.8 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 10	8 34.5	7.6	+ 4 20	29	(0.393)
18	8 26.9	8.0	+ 4 49	40	0.181
26	[23] 8 18.9	8.0	+ 5 29	49	0.178
Febr. 3	8 10.9	7.1	+ 6 18	54	0.181
11	8 3.8	5.8	+ 7 12	58	0.189
19	7 58.0		+ 8 10		(0.394)

(774) [1913 *TW*] 13.1 1913/4

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 10	8h 34.1m	6.4	+12° 37′	13	(0.533)
18	8 27.7	6.6	+12 50	16	0.386
26	[21] 8 21.1	6.6	+13 6	18	0.384
Febr. 3	8 14.5	6.2	+13 24	19	0.384
11	8 8.3	5.5	+13 43	19	0.389
19	8 2.8		+14 2		(0.528)

(357) Ninina 12.2 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 10	8 34.9	6.0	+12 15	49	(0.502)
18	8 28.9	6.3	+13 4	52	0.344
26	[24] 8 22.6	6.2	+13 56	54	0.343
Febr. 3	8 16.4	5.8	+14 50	54	0.347
11	8 10.6	4.8	+15 44	51	0.354
19	8 5.8		+16 35		(0.506)

(80) Sappho 11.2 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 10	8 42.5	7.8	+ 4 6	15	(0.400)
18	8 34.7	8.5	+ 4 21	27	0.197
26	[25] 8 26.2	8.2	+ 4 48	35	0.197
Febr. 3	8 18.0	7.5	+ 5 23	41	0.202
11	8 10.5	6.1	+ 6 4	45	0.212
19	8 4.4		+ 6 49		(0.412)

(601) Nerthus 13.2 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 10	8 38.6	5.8	+ 2 11	28	(0.539)
18	8 32.8	5.9	+ 2 39	37	0.402
26	[25] 8 26.9	6.0	+ 3 16	45	0.399
Febr. 3	8 20.9	5.6	+ 4 1	49	0.400
11	8 15.3	4.9	+ 4 50	52	0.404
19	8 10.4		+ 5 42		(0.541)

(673) Edda 12.9 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 10	8 42.6	6.6	+13 57	20	(0.445)
18	8 36.0	7.2	+14 17	23	0.259
26	[25] 8 28.8	7.1	+14 40	24	0.256
Febr. 3	8 21.7	6.7	+15 4	25	0.259
11	8 15.0	5.6	+15 29	24	0.265
19	8 9.4		+15 53		(0.446)

(38) Leda 10.5 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 10	8 44.9	7.4	+17 9	3	(0.368)
18	8 37.5	8.0	+17 6	2	0.134
26	[25] 8 29.5	7.9	+17 4	1	0.133
Febr. 3	8 21.6	7.1	+17 3	2	0.137
11	8 14.5	5.7	+17 1	4	0.147
19	8 8.8		+16 57		(0.373)

(138) Tolosa 12.7 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 18	8h 41m.0	8.3	+23° 4'	34	(0.453)
26	8 32.7	8.4	+23 38	29	0.270
Febr. 3	[26] 8 24.3	7.7	+24 7	22	0.273
11	8 16.6	6.7	+24 29	16	0.280
19	8 9.9	5.2	+24 45	8	0.292
27	8 4.7		+24 53		(0.455)

(296) Phaëtusa 13.6 1902

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 18	8 44.5	8.9	+18 15	42	(0.364)
26	8 35.6	8.9	+18 57	38	0.128
Febr. 3	[26] 8 26.7	8.2	+19 35	33	0.134
11	8 18.5	6.6	+20 8	27	0.146
19	8 11.9	4.8	+20 35	19	0.163
27	8 7.1		+20 54		(0.376)

(645) Agrippina 12.8 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 18	8 45.9	7.4	+27 34	17	(0.441)
26	8 38.5	7.5	+27 51	9	0.254
Febr. 3	[27] 8 31.0	6.8	+28 0	1	0.258
11	8 24.2	5.8	+28 1	6	0.266
19	8 18.4	4.3	+27 55	15	0.278
27	8 14.1		+27 40		(0.447)

(730) [1912 *OK*] 14.5 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 18	8 48.8	8.6	+21 39	55	(0.339)
26	8 40.2	9.1	+22 34	50	0.074
Febr. 3	[27] 8 31.1	8.8	+23 24	42	0.070
11	8 22.3	7.4	+24 6	33	0.073
19	8 14.9	5.5	+24 39	22	0.081
27	8 9.4		+25 1		(0.323)

(393) Lampetia 12.6 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 18	8 47.7	6.4	−2 47	18	(0.565)
26	8 41.3	6.5	−2 29	26	0.436
Febr. 3	[28] 8 34.8	6.3	−2 3	34	0.434
11	8 28.5	5.8	−1 29	40	0.435
19	8 22.7	5.0	−0 49	44	0.439
27	8 17.7		−0 5		(0.561)

(766) [1913 *SW*] 12.6 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 18	8 50.8	8.0	+32 16	19	(0.447)
26	8 42.8	8.0	+32 35	8	0.264
Febr. 3	[28] 8 34.8	7.5	+32 43	3	0.268
11	8 27.3	6.5	+32 40	12	0.276
19	8 20.8	5.1	+32 28	23	0.287
27	8 15.7		+32 5		(0.452)

(626) Notburga 11.4 1911

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 18	9h 3m.2	13.6	+45° 40'	23	(0.394)
26	8 49.6	13.2	+45 17	47	0.198
Febr. 3	[29] 8 36.4	11.8	+44 30	65	0.206
11	8 24.6	9.6	+43 25	83	0.218
19	8 15.0	7.0	+42 2	94	0.235
27	8 8.0		+40 28		(0.412)

(437) Rhodia 13.9 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 18	8 56.9	8.0	+ 9 13	17	(0.470)
26	8 48.9	8.1	+ 9 30	22	0.296
Febr. 3	[29] 8 40.8	7.9	+ 9 52	25	0.297
11	8 32.9	7.1	+10 17	26	0.301
19	8 25.8	5.8	+10 43	25	0.310
27	8 20.0		+11 8		(0.473)

(280) Philia 13.9 1890

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 18	8 57.8	7.7	+28 26	26	(0.424)
26	8 50.1	8.0	+28 52	16	0.227
Febr. 3	[29] 8 42.1	7.5	+29 8	6	0.230
11	8 34.6	6.5	+29 14	6	0.237
19	8 28.1	4.8	+29 8	16	0.248
27	8 23.3		+28 52		(0.428)

(55) Pandora 11.1 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 18	9 2.7	8.0	+27 13	27	(0.458)
26	8 54.7	8.2	+27 40	20	0.280
Febr. 3	[30] 8 46.5	7.8	+28 0	12	0.283
11	8 38.7	6.9	+28 12	2	0.291
19	8 31.8	5.5	+28 14	7	0.302
27	8 26.3		+28 7		(0.466)

(536) Merapi 12.1 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 18	9 1.5	7.1	+41 21	41	(0.569)
26	8 54.4	7.3	+42 2	31	0.445
Febr. 3	[30] 8 47.1	7.1	+42 33	17	0.448
11	8 40.0	6.5	+42 50	7	0.454
19	8 33.5	5.2	+42 57	6	0.462
27	8 28.3		+42 51		(0.572)

(243) Ida 13.2 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 18	9 4.3	7.0	+17 19	27	(0.444)
26	8 57.3	7.2	+17 46	27	0.256
Febr. 3	[31] 8 50.1	7.1	+18 13	24	0.256
11	8 43.0	6.4	+18 37	20	0.261
19	8 36.6	5.1	+18 57	15	0.270
27	8 31.5		+19 12		(0.447)

(632) Pyrrha 14.8 1907

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 18	9h 7.8m	7.3	+19° 13′	31	(0.451)
26	9 0.5	7.9	+19 44	28	0.262
Febr. 3	^{21}8 52.6	7.9	+20 12	25	0.258
11	8 44.7	7.2	+20 37	21	0.258
19	8 37.5	6.3	+20 58	15	0.262
27	8 31.2		+21 13		(0.439)

(74) Galatea 12.3 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 26	9h 12.7m	7.0	+10° 34′	35	(0.482)
Febr. 3	9 5.7	7.0	+11 9	36	0.315
11	^{3}8 58.7	6.5	+11 45	37	0.320
19	8 52.2	5.6	+12 22	33	0.328
27	8 46.6	4.3	+12 55	31	0.340
März 7	8 42.3		+13 26		(0.493)

(127) Johanna 10.2 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 18	9 10.8	7.7	+30 3	36	(0.410)
26	9 3.1	8.2	+30 39	28	0.206
Febr. 3	^{1}8 54.9	8.1	+31 7	15	0.206
11	8 46.8	7.1	+31 22	3	0.212
19	8 39.7	5.7	+31 25	$\overline{11}$	0.221
27	8 34.0		+31 14		(0.411)

(329) Svea 12.1 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 26	9 22.7	6.6	− 3 3	59	(0.391)
Febr. 3	9 16.1	7.0	− 2 4	73	0.179
11	^{5}9 9.1	6.6	− 0 51	85	0.174
19	9 2.5	5.8	+ 0 34	91	0.176
27	8 56.7	4.4	+ 2 5	91	0.183
März 7	8 52.3		+ 3 36		(0.389)

(104) Klymene 11.8 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 18	9 9.5	6.6	+20 51	31	(0.463)
26	9 2.9	6.9	+21 22	29	0.287
Febr. 3	^{1}8 56.0	6.8	+21 51	24	0.289
11	8 49.2	6.0	+22 15	18	0.294
19	8 43.2	5.1	+22 33	11	0.304
27	8 38.1		+22 44		(0.471)

(222) Lucia 13.2 1910

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 26	9 24.7	6.4	+17 50	33	(0.520)
Febr. 3	9 18.3	6.6	+18 23	32	0.366
11	^{6}9 11.7	6.4	+18 55	29	0.364
19	9 5.3	5.8	+19 24	24	0.367
27	8 59.5	4.8	+19 48	17	0.373
März 7	8 54.7		+20 5		(0.514)

(209) Dido 11.8 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 18	9 14.7	6.6	+24 37	24	(0.511)
26	9 8.1	7.1	+25 1	21	0.356
Febr. 3	^{2}9 1.0	7.1	+25 22	15	0.354
11	8 53.9	6.6	+25 37	8	0.356
19	8 47.3	5.6	+25 45	1	0.362
27	8 41.7		+25 46		(0.508)

(19) Fortuna 10.0 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 26	9 27.5	7.8	+12 23	38	(0.393)
Febr. 3	9 19.7	8.1	+13 1	39	0.177
11	^{6}9 11.6	7.5	+13 40	37	0.181
19	9 4.1	6.4	+14 17	33	0.190
27	8 57.7	4.9	+14 50	27	0.203
März 7	8 52.8		+15 17		(0.405)

(88) Thisbe 11.7 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 18	9 15.8	6.7	+11 33	18	(0.508)
26	9 9.1	7.0	+11 51	21	0.352
Febr. 3	^{2}9 2.1	7.1	+12 12	23	0.349
11	8 55.0	6.7	+12 35	23	0.350
19	8 48.3	5.8	+12 58	22	0.355
27	8 42.5		+13 20		(0.507)

(231) Vindobona 12.7 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 26	9 29.7	7.0	+19 41	24	(0.492)
Febr. 3	9 22.7	7.4	+20 5	23	0.324
11	^{6}9 15.3	7.0	+20 28	19	0.322
19	9 8.3	6.6	+20 47	14	0.325
27	9 1.7	5.4	+21 1	7	0.331
März 7	8 56.3		+21 8		(0.484)

(286) Iclea 13.3 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 26	9 11.2	5.9	+ 8 46	61	(0.506)
Febr. 3	9 5.3	5.9	+ 9 47	63	0.347
11	^{3}8 59.4	5.5	+10 50	65	0.348
19	8 53.9	4.8	+11 55	62	0.353
27	8 49.1	3.9	+12 57	58	0.361
März 7	8 45.2		+13 55		(0.506)

(242) Kriemhild 12.0 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Jan. 26	9 29.0	5.9	− 3 2	28	(0.401)
Febr. 3	^{7}9 23.1	6.4	− 2 34	42	0.196
11	9 16.7	6.1	− 1 52	53	0.194
19	9 10.6	5.4	− 0 59	61	0.196
27	9 5.2	4.1	+ 0 2	63	0.204
März 7	9 1.1		+ 1 5		(0.404)

(359) Georgia 13.0 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Jan. 26		9h 32.0m	7.5	+22° 58′	28	(0.488)
Febr. 3	7	9 24.5	7.8	+23 26	24	0.325
11		9 16.7	7.4	+23 50	17	0.326
19		9 9.3	6.7	+24 7	9	0.332
27		9 2.6	5.5	+24 16	1	0.341
März 7		8 57.1		+24 17		(0.493)

(670) Ottegebe 14.0 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Jan. 26		9 31.8	6.5	+ 7 35	41	(0.490)
Febr. 3	7	9 25.3	6.7	+ 8 16	44	0.327
11		9 18.6	6.5	+ 9 0	47	0.328
19		9 12.1	5.8	+ 9 47	46	0.334
27		9 6.3	4.6	+10 33	42	0.342
März 7		9 1.7		+11 15		(0.498)

(237) Coelestina 13.2 1912

1915		α_{1910}		δ_{1910}		(log r) log Δ
Jan. 26		9 33.5	7.1	+26 8	54	(0.466)
Febr. 3	7	9 26.4	7.4	+27 2	46	0.290
11		9 19.0	7.2	+27 48	37	0.290
19		9 11.8	6.5	+28 25	26	0.295
27		9 5.3	5.3	+28 51	14	0.303
März 7		9 0.0		+29 5		(0.463)

(70) Panopaea 11.9 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Jan. 26		9 37.2	7.9	+32 3	44	(0.487)
Febr. 3	8	9 29.3	8.4	+32 47	34	0.325
11		9 20.9	8.1	+33 21	21	0.326
19		9 12.8	7.4	+33 42	9	0.330
27		9 5.4	6.2	+33 51	—4	0.339
März 7		8 59.2		+33 47		(0.485)

(547) Praxedis 13.0 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Jan. 26		9 35.6	6.3	— 6 48	40	(0.460)
Febr. 3	8	9 29.3	6.7	— 6 8	56	0.295
11		9 22.6	6.4	— 5 12	64	0.295
19		9 16.2	5.6	— 4 8	72	0.299
27		9 10.6	4.8	— 2 56	74	0.307
März 7		9 5.8		— 1 42		(0.473)

(389) Industria 10.8 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Jan. 26		9 37.6	7.4	+ 6 16	4	(0.395)
Febr. 3	8	9 30.2	7.9	+ 6 20	11	0.178
11		9 22.3	7.6	+ 6 31	17	0.175
19		9 14.7	7.0	+ 6 48	19	0.176
27		9 7.7	5.6	+ 7 7	19	0.183
März 7		9 2.1		+ 7 26		(0.392)

(313) Chaldaea 9.1 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 3		9h 48.2m	5.9	— 0° 46′	86	(0.289)
11	12	9 42.3	6.2	+ 0 40	101	9.990
19		9 36.1	5.4	+ 2 21	108	9.990
27		9 30.7	4.2	+ 4 9	108	9.997
März 7		9 26.5	2.2	+ 5 57	100	0.010
15		9 24.3		+ 7 37		(0.295)

(768) [1913 SZ] 13.7 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 3		9 53.9	8.2	+38 27	27	(0.471)
11	12	9 45.7	8.1	+38 54	11	0.312
19		9 37.6	7.5	+39 5	—4	0.319
27		9 30.1	6.3	+39 1	21	0.330
März 7		9 23.8	4.7	+38 40	34	0.343
15		9 19.1		+38 6		(0.482)

(117) Lomia 11.4 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 3		9 59.1	7.9	+23 54	11	(0.475)
11	14	9 51.2	8.0	+24 5	2	0.305
19		9 43.2	7.5	+24 7	—5	0.307
27		9 35.7	6.7	+24 2	13	0.313
März 7		9 29.0	5.4	+23 49	22	0.322
15		9 23.6		+23 27		(0.477)

(100) Hekate 12.6 1912

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 3		10 1.2	6.0	+14 36	42	(0.551)
11	15	9 55.2	6.1	+15 18	42	0.410
19		9 49.1	5.9	+16 0	39	0.409
27		9 43.2	5.5	+16 39	34	0.412
März 7		9 37.7	4.7	+17 13	28	0.418
15		9 33.0		+17 41		(0.549)

(85) Io 11.9 1912

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 3		10 2.6	6.4	— 3 4	37	(0.501)
11	15	9 56.2	6.5	— 2 27	45	0.344
19		9 49.7	6.5	— 1 42	53	0.342
27		9 43.2	5.9	— 0 49	57	0.343
März 7		9 37.3	5.0	+ 0 8	57	0.347
15		9 32.3		+ 1 5		(0.499)

(485) Genua 10.6 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 3		10 2.3	6.0	— 6 31	55	(0.367)
11	15	9 56.3	6.1	— 5 36	71	0.144
19		9 50.2	5.8	— 4 25	83	0.143
27		9 44.4	4.9	— 3 2	89	0.148
März 7		9 39.5	3.6	— 1 33	88	0.158
15		9 35.9		— 0 5		(0.378)

(50) Virginia 12.5 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 3		10^{h} 4.6^{m}	7.0	+9°41'	42	(0.483)
11	15	9 57.6	7.2	+10 23	44	0.316
19		9 50.4	6.9	+11 7	42	0.319
27		9 43.5	6.2	+11 49	39	0.326
März 7		9 37.3	5.1	+12 28	33	0.337
15		9 32.2		+13 1		(0.495)

(622) Esther 12.9 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 3		10 6.1	7.5	+11 54	72	(0.388)
11	15	9 58.6	7.6	+13 6	71	0.171
19		9 51.0	7.3	+14 17	66	0.177
27		9 43.7	6.3	+15 23	57	0.188
März 7		9 37.4	4.9	+16 20	45	0.203
15		9 32.5		+17 5		(0.406)

(567) Eleutheria 13.0 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 3		10 9.5	6.6	+26 4	43	(0.465)
11	18	10 2.9	6.7	+26 47	36	0.288
19		9 56.2	6.8	+27 23	27	0.287
27		9 49.4	6.3	+27 50	14	0.292
März 7		9 43.1	5.0	+28 4	0	0.299
15		9 38.1		+28 4		(0.461)

(121) Hermione 11.8 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 3		10 12.9	5.6	+21 8	38	(0.581)
11	17	10 7.3	5.9	+21 46	34	0.454
19		10 1.4	5.8	+22 20	28	0.455
27		9 55.6	5.3	+22 48	22	0.458
März 7		9 50.3	4.6	+23 10	15	0.465
15		9 45.7		+23 25		(0.584)

(773) [1913 *TV*] 12.7 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 3		10 17.2	7.4	+8 39	0	(0.482)
11	18	10 9.8	7.8	+8 39	3	0.312
19		10 2.0	7.8	+8 42	5	0.309
27		9 54.2	7.3	+8 47	3	0.310
März 7		9 46.9	6.2	+8 50	0	0.316
15		9 40.7		+8 50		(0.479)

(418) Alemannia 13.1 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 3		10 17.5	6.7	−0 9	24	(0.446)
11	18	10 10.8	7.2	+0 15	33	0.265
19		10 3.6	7.1	+0 48	40	0.263
27		9 56.5	6.5	+1 28	43	0.265
März 7		9 50.0	5.6	+2 11	43	0.272
15		9 44.4		+2 54		(0.452)

(191) Kolga 12.3 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 3		10^{h} 17.0^{m}	5.7	+6°43'	56	(0.480)
11	18	10 11.3	6.2	+7 39	60	0.312
19		10 5.1	6.1	+8 39	61	0.311
27		9 59.0	5.6	+9 40	59	0.314
März 7		9 53.4	4.7	+10 39	54	0.320
15		9 48.7		+11 33		(0.484)

(733) [1912 *PF*] 12.8 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 3		10 20.6	7.1	+20 5	2	(0.505)
11	18	10 13.5	7.7	+20 7	2	0.347
19		10 5.8	7.6	+20 5	7	0.346
27		9 58.2	7.0	+19 58	14	0.349
März 7		9 51.2	6.1	+19 44	21	0.355
15		9 45.1		+19 23		(0.505)

(270) Anahita 11.8 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 3		10 21.9	7.6	+6 21	37	(0.402)
11	18	10 14.3	8.3	+6 58	43	0.191
19		10 6.0	8.3	+7 41	45	0.188
27		9 57.7	7.6	+8 26	43	0.190
März 7		9 50.1	6.6	+9 9	39	0.197
15		9 43.5		+9 48		(0.403)

(179) Klytaemnestra 12.1 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 3		10 20.7	5.9	−1 5	20	(0.514)
11	19	10 14.8	6.3	−0 45	28	0.364
19		10 8.5	6.3	−0 17	34	0.361
27		10 2.2	5.9	+0 17	37	0.361
März 7		9 56.3	5.2	+0 54	39	0.366
15		9 51.1		+1 33		(0.516)

(695) Bella 12.0 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 11		10 22.7	7.4	−8 54	11	(0.464)
19	20	10 15.3	7.5	−8 43	24	0.293
27		10 7.8	7.2	−8 19	34	0.292
März 7		10 0.6	6.4	−7 45	41	0.295
15		9 54.2	5.4	−7 4	43	0.302
23		9 48.8		−6 21		(0.466)

(558) Carmen 12.1 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 11		10 25.3	6.1	+11 13	59	(0.452)
19	21	10 19.2	6.2	+12 12	58	0.267
27		10 13.0	5.9	+13 10	54	0.268
März 7		10 7.1	5.2	+14 4	47	0.274
15		10 1.9	4.0	+14 51	38	0.284
23		9 57.9		+15 29		(0.454)

(612) Veronika 15.8 1906

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 11	10h 26m.7	5.3	−11° 54′	35	(0.595)
19	10 21.4	5.6	−11 19	44	0.477
27	[22] 10 15.8	5.3	−10 35	52	0.474
März 7	10 10.5	5.0	− 9 43	57	0.474
15	10 5.5	4.2	− 8 46	61	0.476
23	10 1.3		− 7 45		(0.592)

(405) Thia 9.7 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 11	10 35.4	6.3	−13 50	17	(0.314)
19	10 29.1	7.1	−14 7	5	0.045
27	[23] 10 22.0	7.1	−14 2	27	0.034
März 7	10 14.9	6.5	−13 35	46	0.028
15	10 8.4	4.6	−12 49	59	0.027
23	10 3.8		−11 50		(0.299)

(648) Pippa 12.2 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 11	10 40.0	6.5	− 2 51	6	(0.426)
19	10 33.5	6.9	− 2 45	15	0.235
27	[24] 10 26.6	6.6	− 2 30	21	0.236
März 7	10 20.0	5.9	− 2 9	26	0.241
15	10 14.1	4.7	− 1 43	27	0.250
23	10 9.4		− 1 16		(0.438)

(103) Hera 10.6 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 11	10 42.3	6.3	+10 41	53	(0.464)
19	10 36.0	6.5	+11 34	52	0.285
27	[25] 10 29.5	6.6	+12 26	50	0.284
März 7	10 22.9	6.1	+13 16	43	0.287
15	10 16.8	5.1	+13 59	36	0.294
23	10 11.7		+14 35		(0.463)

(544) Jetta 12.9 1911

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 11	10 44.4	7.1	− 0 10	15	(0.439)
19	10 37.3	7.5	+ 0 5	21	0.247
27	[25] 10 29.8	7.7	+ 0 26	28	0.241
März 7	10 22.1	7.1	+ 0 54	30	0.241
15	10 15.0	5.6	+ 1 24	29	0.244
23	10 9.4		+ 1 53		(0.430)

(697) Galilea 13.3 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 11	10 50.3	7.1	+23 59	28	(0.519)
19	10 43.2	7.6	+24 27	21	0.370
27	[26] 10 35.6	7.5	+24 48	11	0.371
März 7	10 28.1	6.9	+24 59	1	0.376
15	10 21.2	6.0	+25 0	9	0.383
23	10 15.2		+24 51		(0.521)

(175) Andromache 13.2 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 19	10h 45m.5	5.8	+11° 21′	32	(0.584)
27	[27] 10 39.7	5.8	+11 53	30	0.454
März 7	10 33.9	5.5	+12 23	27	0.456
15	10 28.4	5.0	+12 50	22	0.460
23	10 23.4	4.1	+13 12	17	0.467
31	10 19.3		+13 29		(0.583)

(345) Tercidina 11.2 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 19	10 52.6	6.9	− 7 17	57	(0.359)
27	[28] 10 45.7	7.1	− 6 20	71	0.121
März 7	10 38.6	6.6	− 5 9	78	0.121
15	10 32.0	5.5	− 3 51	80	0.126
23	10 26.5	4.0	− 2 31	77	0.136
31	10 22.5		− 1 14		(0.364)

(510) Mabella 13.4 1908

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 19	10 54.6	6.6	− 3 36	50	(0.458)
27	[1] 10 48.0	6.8	− 2 46	59	0.274
März 7	10 41.2	6.5	− 1 47	63	0.272
15	10 34.7	5.7	− 0 44	63	0.275
23	10 29.0	4.7	+ 0 19	60	0.278
31	10 24.3		+ 1 19		(0.448)

(109) Felicitas 11.9 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 19	11 0.0	8.0	+12 54	26	(0.413)
27	[1] 10 52.0	8.1	+13 20	22	0.215
März 7	10 43.9	7.5	+13 42	16	0.223
15	10 36.4	6.4	+13 58	7	0.234
23	10 30.0	5.0	+14 5	4	0.250
31	10 25.0		+14 1		(0.434)

(703) Noemi 14.5 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 19	11 5.0	7.9	+ 2 16	53	(0.372)
27	[3] 10 57.1	8.2	+ 3 9	56	0.139
März 7	10 48.9	7.7	+ 4 5	56	0.140
15	10 41.2	6.7	+ 5 1	52	0.148
23	10 34.5	5.2	+ 5 53	43	0.160
31	10 29.3		+ 6 36		(0.380)

(570) Kythera 13.2 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 19	11 2.2	5.4	+ 3 54	34	(0.576)
27	[3] 10 56.8	5.5	+ 4 28	35	0.439
März 7	10 51.3	5.3	+ 5 3	33	0.440
15	10 46.0	4.8	+ 5 36	32	0.444
23	10 41.2	4.0	+ 6 8	29	0.452
31	10 37.2		+ 6 37		(0.578)

(254) Augusta 13.4 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 19	11h 7m.5	8.2	+12° 27′	43	(0.346)
27	10 59.3	8.7	+13 10	39	0.087
März 7	[3] 10 50.6	8.6	+13 49	31	0.083
15	10 42.0	7.5	+14 20	20	0.086
23	10 34.5	6.0	+14 40	8	0.094
31	10 28.5		+14 48		(0.335)

(128) Nemesis 11.1 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 19	11 9.3	6.7	+15 23	49	(0.477)
27	11 2.6	6.9	+16 12	41	0.306
März 7	[4] 10 55.7	6.6	+16 53	33	0.308
15	10 49.1	6.0	+17 26	25	0.314
23	10 43.1	5.2	+17 51	14	0.324
31	10 37.9		+18 5		(0.482)

(48) Doris 10.8 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 19	11 8.6	5.6	+ 1 34	46	(0.489)
27	11 3.0	5.7	+ 2 20	50	0.317
März 7	[4] 10 57.3	5.7	+ 3 10	50	0.317
15	10 51.6	5.2	+ 4 0	48	0.321
23	10 46.4	4.4	+ 4 48	42	0.328
31	10 42.0		+ 5 30		(0.492)

(234) Barbara 12.9 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 19	11 11.5	6.6	+11 50	78	(0.472)
27	11 4.9	7.0	+13 8	77	0.296
März 7	[5] 10 57.9	7.0	+14 25	70	0.295
15	10 50.9	6.4	+15 35	61	0.299
23	10 44.5	5.4	+16 36	49	0.307
31	10 39.1		+17 25		(0.469)

(623) Chimaera 12.8 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 19	11 14.9	8.1	− 9 55	9	(0.388)
27	11 6.8	8.6	−10 4	5	0.177
März 7	[5] 10 58.2	8.5	− 9 59	17	0.175
15	10 49.7	7.6	− 9 42	26	0.178
23	10 42.1	6.3	− 9 16	30	0.187
31	10 35.8		− 8 46		(0.397)

(494) Virtus 12.2 1910

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 19	11 15.1	6.3	+14 47	36	(0.473)
27	11 8.8	6.7	+15 23	31	0.298
März 7	[5] 11 2.1	6.7	+15 54	25	0.296
15	10 55.4	6.1	+16 19	17	0.299
23	10 49.3	5.2	+16 36	7	0.306
31	10 44.1		+16 43		(0.469)

(501) Urhixidur 13.7 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 19	11h 17m.4	6.8	+14° 12′	15	(0.558)
27	11 10.6	7.0	+14 27	11	0.421
März 7	[6] 11 3.6	7.0	+14 38	6	0.420
15	10 56.6	6.5	+14 44	1	0.423
23	10 50.1	5.8	+14 45	6	0.429
31	10 44.3		+14 39		(0.558)

(276) Adelheid 11.6 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 19	11 14.4	5.1	−18 57	45	(0.469)
27	11 9.3	5.5	−18 12	61	0.308
März 7	[6] 11 3.8	5.5	−17 11	75	0.303
15	10 58.3	5.1	−15 56	85	0.301
23	10 53.2	4.1	−14 31	90	0.303
31	10 49.1		−13 1		(0.472)

(116) Sirona 9.9 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 19	11 18.6	6.1	+10 57	44	(0.378)
27	11 12.5	6.8	+11 41	41	0.148
März 7	[6] 11 5.7	6.7	+12 22	34	0.147
15	10 59.0	6.0	+12 56	26	0.151
23	10 53.0	4.7	+13 22	14	0.161
31	10 48.3		+13 36		(0.380)

(21) Lutetia 10.9 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 19	11 21.5	6.8	+ 9 10	48	(0.450)
27	11 14.7	7.3	+ 9 58	48	0.263
März 7	[7] 11 7.4	7.3	+10 46	44	0.261
15	11 0.1	6.9	+11 30	38	0.263
23	10 53.2	5.9	+12 8	28	0.269
31	10 47.3		+12 36		(0.447)

(3) Juno 8.8 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 19	11 20.2	6.1	+ 1 26	76	(0.430)
27	11 14.1	6.5	+ 2 42	79	0.239
März 7	[7] 11 7.6	6.4	+ 4 1	78	0.241
15	11 1.2	5.8	+ 5 19	74	0.248
23	10 55.4	4.7	+ 6 33	64	0.260
31	10 50.7		+ 7 37		(0.446)

(33) Polyhymnia 13.4 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 27	11 15.3	6.1	+ 5 57	37	(0.583)
März 7	[7] 11 9.2	6.1	+ 6 34	35	0.453
15	11 3.1	5.8	+ 7 9	33	0.454
23	10 57.3	5.2	+ 7 42	29	0.458
31	10 52.1	4.5	+ 8 11	24	0.465
April 8	10 47.6		+ 8 35		(0.582)

(251) Sophia 13.5 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 27	11ʰ 15.5ᵐ	5.6	+ 6° 55′	62	(0.479)
März 7	(7) 11 9.9	5.6	+ 7 57	60	0.305
15	11 4.3	5.2	+ 8 57	56	0.309
23	10 59.1	4.4	+ 9 53	47	0.317
31	10 54.7	3.3	+10 40	39	0.328
April 8	10 51.4		+11 19		(0.484)

(388) Charybdis 12.0 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 27	11ʰ 38.7ᵐ	6.3	+ 3° 29′	26	(0.500)
März 7	(12) 11 32.4	6.5	+ 3 55	27	0.336
15	11 25.9	6.4	+ 4 22	26	0.335
23	11 19.5	5.9	+ 4 48	23	0.337
31	11 13.6	5.0	+ 5 11	17	0.343
April 8	11 8.6		+ 5 28		(0.498)

(366) Vincentina 12.6 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 27	11 16.8	6.5	+ 5 31	19	(0.516)
März 7	(7) 11 10.3	6.6	+ 5 50	19	0.359
15	11 3.7	6.2	+ 6 9	17	0.360
23	10 57.5	5.6	+ 6 26	12	0.364
31	10 51.9	4.5	+ 6 38	8	0.372
April 8	10 47.4		+ 6 46		(0.514)

(394) Arduina 14.1 1906

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 27	11 41.2	6.3	+11 30	43	(0.528)
März 7	(13) 11 34.9	6.6	+12 13	40	0.377
15	11 28.3	6.5	+12 53	34	0.377
23	11 21.8	6.0	+13 27	27	0.379
31	11 15.8	5.2	+13 54	18	0.386
April 8	11 10.6		+14 12		(0.524)

(512) Taurinensis 13.9 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 27	11 21.7	8.1	+16 27	64	(0.436)
März 7	(8) 11 13.6	8.0	+17 31	55	0.244
15	11 5.6	7.6	+18 26	43	0.248
13	10 58.0	6.3	+19 9	28	0.257
31	10 51.7	5.2	+19 37	15	0.270
April 8	10 46.5		+19 52		(0.438)

(258) Tyche 12.2 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 27	11 43.0	6.0	−10 48	51	(0.498)
März 7	(13) 11 37.0	6.3	− 9 57	60	0.339
15	11 30.7	6.2	− 8 57	67	0.336
23	11 24.5	5.8	− 7 50	69	0.337
31	11 18.7	5.0	− 6 41	69	0.341
April 8	11 13.7		− 5 32		(0.499)

(332) Siri 13.0 1911

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 27	11 21.2	6.6	+ 7 33	38	(0.478)
März 7	(8) 11 14.6	6.7	+ 8 11	37	0.304
15	11 7.9	6.4	+ 8 48	32	0.304
23	11 1.5	5.6	+ 9 20	26	0.309
31	10 55.9	4.6	+ 9 46	18	0.318
April 8	10 51.3		+10 4		(0.476)

(763) [1913 *ST*] 15.4 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 27	11 46.5	7.7	− 4 43	37	(0.408)
März 7	(13) 11 38.8	8.0	− 4 6	43	0.201
15	11 30.8	7.9	− 3 23	48	0.199
23	11 22.9	7.2	− 2 35	48	0.202
31	11 15.7	6.0	− 1 47	44	0.211
April 8	11 9.7		− 1 3		(0.413)

(325) Heidelberga 12.5 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 27	11 22.0	6.4	+ 3 51	22	(0.514)
März 7	(8) 11 15.6	6.4	+ 4 13	23	0.359
15	11 9.2	6.1	+ 4 36	21	0.362
23	11 3.1	5.3	+ 4 57	18	0.369
31	10 57.8	4.4	+ 5 15	12	0.378
April 8	10 53.4		+ 5 27		(0.522)

(530) Turandot 13.2 1911

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 27	11 45.1	5.1	+ 9 26	47	(0.571)
März 7	(14) 11 40.0	5.5	+10 13	46	0.437
15	11 34.5	5.4	+10 59	42	0.435
23	11 29.1	5.1	+11 41	36	0.437
31	11 24.0	4.6	+12 17	29	0.441
April 8	11 19.4		+12 46		(0.567)

(110) Lydia 10.9 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 27	11 38.7	6.6	+11 31	41	(0.469)
März 7	(12) 11 32.1	6.9	+12 12	38	0.292
15	11 25.2	6.7	+12 50	31	0.293
23	11 18.5	6.1	+13 21	22	0.297
31	11 12.4	5.1	+13 43	11	0.305
April 8	11 7.3		+13 54		(0.468)

(674) Rachel 10.2 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Febr. 27	11 48.5	7.1	+24 8	36	(0.416)
März 7	(14) 11 41.4	7.5	+24 44	23	0.222
15	11 33.9	7.2	+25 7	7	0.228
23	11 26.7	6.4	+25 14	11	0.237
31	11 20.3	5.1	+25 3	26	0.250
April 8	11 15.2		+24 37		(0.428)

(675) Ludmilla 11.7 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 27		11ʰ 47ᵐ.9	6.3	−14° 2′	25	(0.475)
März 7	14	11 41.6	6.6	−13 37	37	0.311
15		11 35.0	6.5	−13 0	46	0.310
23		11 28.5	6.1	−12 14	51	0.312
31		11 22.4	5.2	−11 23	54	0.318
April 8		11 17.2		−10 29		(0.485)

(765) [1913 SV] 15.9 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Febr. 27		11 49.9	7.0	− 2 41	30	(0.467)
März 7	11	11 42.9	7.5	− 2 11	36	0.294
15		11 35.4	7.3	− 1 35	38	0.295
23		11 28.1	6.8	− 0 57	36	0.300
31		11 21.3	5.7	− 0 21	33	0.309
April 8		11 15.6		+ 0 12		(0.479)

(395) Delia 13.1 1894

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 7		11 44.7	6.6	− 4 11	39	(0.454)
15	15	11 38.1	6.6	− 3 32	44	0.265
23		11 31.5	6.2	− 2 48	45	0.263
31		11 25.3	5.3	− 2 3	43	0.266
April 8		11 20.0	4.3	− 1 20	38	0.272
16		11 15.7		− 0 42		(0.446)

(54) Alexandra 11.2 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 7		11 49.7	7.3	−12 8	12	(0.459)
15	16	11 42.4	7.6	−11 56	22	0.275
23		11 34.8	7.3	−11 34	30	0.271
31		11 27.5	6.6	−11 4	34	0.270
April 8		11 20.9	5.5	−10 30	35	0.274
16		11 15.4		− 9 55		(0.447)

(562) Salome 13.4 1912

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 7		11 50.2	6.3	+18 17	38	(0.516)
15	16	11 43.9	6.4	+18 55	30	0.364
23		11 37.5	6.1	+19 25	18	0.367
31		11 31.4	5.3	+19 43	8	0.373
April 8		11 26.1	4.4	+19 51	−4	0.382
16		11 21.7		+19 47		(0.514)

(412) Elisabetha 11.7 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 7		11 52.3	6.5	+21 48	62	(0.425)
15	17	11 45.8	6.5	+22 50	47	0.231
23		11 39.3	6.1	+23 37	31	0.236
31		11 33.2	5.1	+24 8	13	0.244
April 8		11 28.1	3.9	+24 21	−4	0.256
16		11 24.2		+24 17		(0.424)

(598) Octavia 13.0 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 7		11ʰ 54ᵐ.3	6.5	+19° 6′	46	(0.519)
15	17	11 47.8	6.6	+19 52	37	0.377
23		11 41.2	6.3	+20 29	26	0.381
31		11 34.9	5.5	+20 55	14	0.389
April 8		11 29.4	4.6	+21 9	1	0.398
16		11 24.8		+21 10		(0.525)

(327) Columbia 13.1 1903

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 7		12 0.3	6.8	+ 0 2	25	(0.456)
15	18	11 53.5	7.2	+ 0 27	26	0.270
23		11 46.3	6.8	+ 0 53	25	0.269
31		11 39.5	6.1	+ 1 18	21	0.272
April 8		11 33.4	5.2	+ 1 39	16	0.279
16		11 28.2		+ 1 55		(0.453)

(61) Danae 11.7 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 7		12 0.9	6.9	−12 11	6	(0.537)
15	18	11 54.0	7.1	−12 5	13	0.392
23		11 46.9	6.9	−11 52	19	0.390
31		11 40.0	6.4	−11 33	22	0.391
April 8		11 33.6	5.6	−11 11	24	0.395
16		11 28.0		−10 47		(0.534)

(426) Hippo 11.0 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 7		12 16.5	7.5	−28 1	32	(0.415)
15	21	12 9.0	8.3	−28 33	13	0.230
23		12 0.7	8.3	−28 46	−6	0.225
31		11 52.4	7.7	−28 40	23	0.224
April 8		11 44.7	6.5	−28 17	36	0.226
16		11 38.2		−27 41		(0.417)

(519) Sylvania 12.9 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 7		12 16.3	6.6	+11 23	35	(0.517)
15	22	12 9.7	6.8	+11 58	31	0.365
23		12 2.9	6.9	+12 29	24	0.365
31		11 56.0	6.3	+12 53	15	0.368
April 8		11 49.7	5.4	+13 8	3	0.374
16		11 44.3		+13 11		(0.515)

(94) Aurora 11.5 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 7		12 17.2	5.9	− 0 38	23	(0.520)
15	22	12 11.3	6.3	− 0 15	24	0.368
23		12 5.0	6.2	+ 0 9	24	0.367
31		11 58.8	5.8	+ 0 33	21	0.369
April 8		11 53.0	5.1	+ 0 54	17	0.375
16		11 47.9		+ 1 11		(0.523)

(76) Freia 11.9 1912

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 7		$12^h\ 17.1^m$	5.3	$-3^\circ 32'$	37	(0.522)
15	23	12 11.8	5.5	− 2 55	39	0.372
23		12 6.3	5.5	− 2 16	40	0.372
31		12 0.8	5.1	− 1 36	38	0.376
April 8		11 55.7	4.4	− 0 58	34	0.383
16		11 51.3		− 0 24		(0.530)

(715) Transvaalia 13.1 1911

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 7		12 21.1	7.1	+16 9	32	(0.465)
15	23	12 14.0	7.5	+16 41	24	0.291
23		12 6.5	7.4	+17 5	12	0.291
31		11 59.1	6.8	+17 17	—	0.296
April 8		11 52.3	5.9	+17 17	13	0.304
16		11 46.4		+17 4		(0.466)

(477) Italia 13.0 1911

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 15		12 22.5	7.6	− 1 0	36	(0.445)
23	24	12 14.9	7.7	− 0 24	35	0.250
31		12 7.2	7.4	+ 0 11	33	0.249
April 8		11 59.8	6.6	+ 0 44	28	0.253
16		11 53.2	5.4	+ 1 12	20	0.260
24		11 47.8		+ 1 32		(0.437)

(29) Amphitrite 9.3 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 15		12 23.7	6.3	− 3 35	18	(0.425)
23	25	12 17.4	6.5	− 3 17	20	0.222
31		12 10.9	6.0	− 2 57	20	0.224
April 8		12 4.9	5.1	− 2 37	15	0.230
16		11 59.8	3.7	− 2 22	9	0.240
24		11 56.1		− 2 13		(0.429)

(415) Palatia 12.0 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 15		12 24.7	6.6	+ 7 43	55	(0.471)
23	25	12 18.1	6.5	+ 8 38	48	0.300
31		12 11.6	6.1	+ 9 26	40	0.307
April 8		12 5.5	5.3	+10 6	28	0.318
16		12 0.2	4.1	+10 34	13	0.331
24		11 56.1		+10 47		(0.487)

(672) Astarte 13.4 1908

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 15		12 28.8	7.8	− 9 48	10	(0.417)
23	26	12 21.0	8.2	− 9 38	16	0.207
31		12 12.8	8.0	− 9 22	20	0.203
April 8		12 4.8	7.2	− 9 2	21	0.203
16		11 57.6	5.9	− 8 41	20	0.209
24		11 51.7		− 8 21		(0.407)

(219) Thusnelda 12.3 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 15		$12^h\ 33.7^m$	6.7	$-8^\circ 35'$	65	(0.449)
23	27	12 27.0	7.0	− 7 30	72	0.258
31		12 20.0	6.9	− 6 18	74	0.254
April 8		12 13.1	6.2	− 5 4	71	0.255
16		12 6.9	5.2	− 3 53	66	0.260
24		12 1.7		− 2 47		(0.442)

(320) Katharina 14.3 1912

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 15		12 34.7	5.5	−11 43	44	(0.527)
23	28	12 29.2	5.7	−10 59	50	0.377
31		12 23.5	5.6	−10 9	53	0.375
April 8		12 17.9	5.2	− 9 16	54	0.376
16		12 12.7	4.4	− 8 22	51	0.381
24		12 8.3		− 7 31		(0.527)

(685) Hermia 13.9 1909

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 15		12 38.8	7.1	− 9 11	47	(0.390)
23	28	12 31.7	7.8	− 8 24	57	0.161
31		12 23.9	7.7	− 7 27	60	0.154
April 8		12 16.2	7.1	− 6 27	60	0.152
16		12 9.1	5.8	− 5 27	55	0.155
24		12 3.3		− 4 32		(0.376)

(278) Paulina 11.9 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 15		12 38.7	6.6	+ 8 30	34	(0.379)
23	28	12 32.1	7.0	+ 9 4	27	0.148
31		12 25.1	6.8	+ 9 31	16	0.148
April 8		12 18.3	6.1	+ 9 47	3 / 10	0.153
16		12 12.2	4.8	+ 9 50		0.163
24		12 7.4		+ 9 40		(0.377)

*__(113)__ Amalthea 10.4 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 15		12 38.9	6.4	+ 4 16	63	(0.338)
23	28	12 32.5	7.0	+ 5 19	58	0.073
21		12 25.5	6.8	+ 6 17	47	0.073
April 8		12 18.7	5.8	+ 7 4	33	0.078
16		12 12.9	3.8	+ 7 37	19	0.086
24		12 9.1		+ 7 56		(0.337)

(779) [1914 *UB*] 12.2 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 15		12 39.9	6.8	−27 1	11	(0.484)
23	29	12 33.1	7.4	−26 50	27	0.324
31		12 25.7	7.4	−26 23	41	0.317
April 8		12 18.3	6.9	−25 42	52	0.313
16		12 11.4	5.9	−24 50	59	0.313
24		12 5.5		−23 51		(0.474)

(289) Nenetta 13.9 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 15		12ʰ 39ᵐ.6	5.7	— 3° 40′	48	(0.538)
23	29	12 33.9	5.8	— 2 52	49	0.392
31		12 28.1	5.8	— 2 3	49	0.391
April 8		12 22.3	5.4	— 1 14	45	0.393
16		12 16.9	4.6	— 0 29	40	0.398
24		12 12.3		+ 0 11		(0.539)

(108) Hecuba 11.1 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 15		12 43.6	5.8	— 6 24	23	(0.461)
23	30	12 37.8	6.2	— 6 1	27	0.280
31		12 31.6	6.1	— 5 34	28	0.278
April 8		12 25.5	5.7	— 5 6	26	0.281
16		12 19.8	4.7	— 4 40	22	0.287
24		12 15.1		— 4 18		(0.463)

(526) Jena 12.6 1909

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 15		12 44.0	5.6	— 2 8	42	(0.447)
23	30	12 38.4	5.9	— 1 26	43	0.260
31		12 32.5	5.9	— 0 43	41	0.260
April 8		12 26.6	5.2	— 0 2	35	0.265
16		12 21.4	4.3	+ 0 33	27	0.274
24		12 17.1		+ 1 0		(0.456)

(698) Ernestina 13.4 1910

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 15		12 47.1	7.0	+ 7 31	21	(0.419)
23	30	12 40.1	7.4	+ 7 52	14	0.217
31		12 32.7	7.2	+ 8 6	6	0.218
April 8		12 25.5	6.5	+ 8 12	—4	0.224
16		12 19.0	5.4	+ 8 8	14	0.234
24		12 13.6		+ 7 54		(0.424)

(84) Klio 12.3 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 15		12 50.5	7.4	—15 42	15	(0.448)
23	30	12 43.1	8.2	—15 27	25	0.262
31		12 34.9	8.2	—15 2	33	0.254
April 8		12 26.7	7.9	—14 29	39	0.252
16		12 18.8	6.9	—13 50	40	0.253
24		12 11.9		—13 10		(0.439)

(483) Seppina 12.7 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 23		12 42.0	5.1	+ 1 21	66	(0.549)
31	31	12 36.9	5.0	+ 2 27	62	0.406
April 8		12 31.9	4.6	+ 3 29	57	0.407
16		12 27.3	4.0	+ 4 26	50	0.412
24		12 23.3	3.2	+ 5 16	40	0.420
Mai 2		12 20.1		+ 5 56		(0.547)

(507) Laodica 13.0 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 23		12ʰ 43ᵐ.6	6.1	—18° 48′	27	(0.539)
31	31	12 37.5	6.1	—18 21	33	0.395
April 8		12 31.4	5.8	—17 48	39	0.394
16		12 25.6	5.1	—17 9	42	0.397
24		12 20.5	4.1	—16 27	41	0.403
Mai 2		12 16.4		—15 46		(0.540)

(301) Bavaria 12.5 1911

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 23		12 48.7	6.2	+ 0 43	53	(0.426)
31	1	12 42.5	6.4	+ 1 36	50	0.224
April 8		12 36.1	5.9	+ 2 26	44	0.225
16		12 30.2	5.1	+ 3 10	35	0.230
24		12 25.1	4.0	+ 3 45	23	0.239
Mai 2		12 21.1		+ 4 8		(0.422)

(299) Thora 14.7 1903

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 23		12 53.9	7.1	— 7 57	46	(0.410)
31	2	12 46.8	7.2	— 7 11	49	0.197
April 8		12 39.6	6.8	— 6 22	49	0.198
16		12 32.8	5.9	— 5 33	44	0.203
24		12 26.9	4.6	— 4 49	37	0.213
Mai 2		12 22.3		— 4 12		(0.411)

(290) Bruna 13.2 1890

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 23		13 3.0	12.3	— 5 59	54	(0.310)
31	3	12 50.7	12.3	— 6 53	48	0.029
April 8		12 38.4	11.2	— 7 41	44	0.038
16		12 27.2	9.4	— 8 25	41	0.055
24		12 17.8	7.1	— 9 6	40	0.076
Mai 2		12 10.7		— 9 46		(0.335)

(422) Berolina 14.3 1912

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 23		12 59.0	8.1	— 6 35	35	(0.418)
31	3	12 50.9	8.4	— 6 0	37	0.207
April 8		12 42.5	8.1	— 5 23	37	0.204
16		12 34.4	7.3	— 4 46	33	0.206
24		12 27.1	6.1	— 4 13	26	0.213
Mai 2		12 21.0		— 3 47		(0.409)

(459) Signe 14.4 1900

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 23		13 0.2	7.3	— 0 47	26	(0.480)
31	3	12 52.9	7.4	— 0 21	24	0.308
April 8		12 45.5	7.1	+ 0 3	19	0.311
16		12 38.4	6.4	+ 0 22	14	0.318
24		12 32.0	5.3	+ 0 36	6	0.328
Mai 2		12 26.7		+ 0 42		(0.487)

(347) Pariana 11.0 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 23		$13^{h}\ 0.1^{m}$	7.0	+16° 13'	35	(0.342)
31	3	12 53.1	7.1	+16 48	17	0.095
April 8		12 46.0	6.6	+17 5	2	0.100
16		12 39.4	5.4	+17 3	23	0.111
24		12 34.0	4.0	+16 40	42	0.125
Mai 2		12 30.0		+15 58		(0.348)

(410) Chloris 11.3 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 23		13 3.9	6.6	+12 47	54	(0.392)
31	4	12 57.3	6.9	+13 41	42	0.169
April 8		12 50.4	6.9	+14 23	26	0.166
16		12 43.5	6.2	+14 49	9	0.168
24		12 37.3	5.0	+14 58	10	0.174
Mai 2		12 32.3		+14 48		(0.374)

(707) [1910 *LD*] 14.3 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 23		13 7.5	7.9	−14 51	42	(0.384)
31	5	12 59.6	8.3	−14 9	50	0.157
April 8		12 51.3	7.9	−13 19	55	0.156
16		12 43.4	7.1	−12 24	54	0.159
24		12 36.3	5.6	−11 30	49	0.164
Mai 2		12 30.7		−10 41		(0.382)

(235) Carolina 12.1 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 23		13 8.4	6.4	+ 5 18	32	(0.456)
31	6	13 2.0	6.7	+ 5 50	27	0.271
April 8		12 55.3	6.6	+ 6 17	19	0.270
16		12 48.7	6.0	+ 6 36	10	0.273
24		12 42.7	5.0	+ 6 46	2	0.281
Mai 2		12 37.7		+ 6 44		(0.452)

(550) Senta 12.2 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 23		13 9.6	6.7	−23 26	26	(0.438)
31	6	13 2.9	7.4	−23 0	40	0.246
April 8		12 55.5	7.4	−22 20	53	0.238
16		12 48.1	6.7	−21 27	59	0.233
24		12 41.4	5.9	−20 28	65	0.233
Mai 2		12 35.5		−19 23		(0.424)

(408) Fama 14.0 1912

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 23		13 9.2	5.9	−20 27	21	(0.553)
31	6	13 3.3	6.0	−20 6	29	0.416
April 8		12 57.3	6.0	−19 37	35	0.414
16		12 51.3	5.6	−19 2	39	0.415
24		12 45.7	4.8	−18 23	40	0.419
Mai 2		12 40.9		−17 43		(0.555)

(651) Antikleia 14.0 1912

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 23		$13^{h}\ 10.6^{m}$	6.2	+ 0° 2'	23	(0.518)
31	6	13 4.4	6.5	+ 0 25	21	0.362
April 8		12 57.9	6.4	+ 0 46	17	0.362
16		12 51.5	6.0	+ 1 3	13	0.365
24		12 45.5	5.2	+ 1 16	7	0.372
Mai 2		12 40.3		+ 1 23		(0.519)

(689) Zita 15.3 1909

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 23		13 14.1	6.8	− 3 52	59	(0.447)
31	7	13 7.3	7.3	− 2 53	60	0.254
April 8		13 0.0	7.2	− 1 53	57	0.252
16		12 52.8	6.8	− 0 56	51	0.253
24		12 46.0	5.7	− 0 5	42	0.259
Mai 2		12 40.3		+ 0 37		(0.440)

(618) Elfriede 12.8 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 23		13 12.0	5.5	+17 32	48	(0.528)
31	7	13 6.5	5.8	+18 20	38	0.385
April 8		13 0.7	5.7	+18 58	26	0.387
16		12 55.0	5.3	+19 24	11	0.391
24		12 49.7	4.5	+19 35	2	0.399
Mai 2		12 45.2		+19 33		(0.526)

(11) Parthenope 9.5 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 23		13 15.9	6.5	− 0 41	53	(0.412)
31	7	13 9.4	7.1	+ 0 12	52	0.200
April 8		13 2.3	7.0	+ 1 4	47	0.197
16		12 55.3	6.4	+ 1 51	37	0.198
24		12 48.9	5.5	+ 2 28	27	0.205
Mai 2		12 43.4		+ 2 55		(0.406)

(189) Phthia 11.8 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 31		13 16.0	6.8	− 9 6	59	(0.405)
April 8	9	13 9.2	6.9	− 8 7	60	0.187
16		13 2.3	6.4	− 7 7	58	0.188
24		12 55.9	5.3	− 6 9	52	0.194
Mai 2		12 50.6	4.0	− 5 17	42	0.204
10		12 46.6		− 4 35		(0.404)

(223) Rosa 13.2 1910

1915		α_{1910}		δ_{1910}		(log r) log Δ
März 31		13 18.0	6.1	− 6 36	34	(0.483)
April 8	9	13 11.9	6.2	− 6 2	33	0.312
16		13 5.7	5.7	− 5 29	30	0.315
24		13 0.0	5.0	− 4 59	25	0.322
Mai 2		12 55.0	4.0	− 4 34	18	0.332
10		12 51.0		− 4 16		(0.490)

(591) Irmgard 12.3 1906

1915	α_{1910} (h m)		δ_{1910} (° ')		(log r) log Δ
März 31	13 21.1	8.2	−26 13	23	(0.328)
April 8	13 12.9	8.4	−26 36	4	0.065
16	[9] 13 4.5	7.9	−26 40	11	0.065
24	12 56.6	6.5	−26 29	24	0.069
Mai 2	12 50.1	4.7	−26 5	29	0.079
10	12 45.4		−25 36		(0.333)

(780) [1914 *UC*] 13.2 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
März 31	13 18.5	5.4	+13 10	58	(0.528)
April 8	13 13.1	5.5	+14 8	48	0.383
16	[10] 13 7.6	5.1	+14 56	37	0.386
24	13 2.5	4.5	+15 33	22	0.392
Mai 2	12 58.0	3.7	+15 55	10	0.401
10	12 54.3		+16 5		(0.526)

(593) Titania 12.2 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
März 31	13 21.6	7.9	+18 45	15	(0.404)
April 8	13 13.7	7.8	+19 0	4	0.209
16	[10] 13 5.9	7.0	+18 56	22	0.218
24	12 58.9	5.8	+18 34	38	0.232
Mai 2	12 53.1	4.4	+17 56	53	0.248
10	12 48.7		+17 3		(0.420)

(141) Lumen 12.5 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
März 31	13 21.4	7.3	−25 2	19	(0.508)
April 8	13 14.1	7.5	−24 43	29	0.352
16	[10] 13 6.6	7.1	−24 14	37	0.350
24	12 59.5	6.5	−23 37	42	0.351
Mai 2	12 53.0	5.4	−22 55	44	0.355
10	12 47.6		−22 11		(0.506)

(676) Melitta 12.9 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
März 31	13 21.2	5.4	+ 5 9	56	(0.519)
April 8	13 15.8	5.6	+ 6 5	49	0.364
16	[10] 13 10.2	5.4	+ 6 54	41	0.365
24	13 4.8	4.8	+ 7 35	31	0.370
Mai 2	13 0.0	3.9	+ 8 6	21	0.377
10	12 56.1		+ 8 27		(0.514)

(777) [1914 *TZ*] 13.2 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
März 31	13 24.9	6.2	−29 54	20	(0.452)
April 8	13 18.7	6.6	−29 34	35	0.275
16	[11] 13 12.1	6.2	−28 59	46	0.274
24	13 5.9	5.3	−28 13	55	0.276
Mai 2	13 0.6	4.1	−27 18	58	0.282
10	12 56.5		−26 20		(0.457)

(714) [1911 *LW*] 11.3 1913

1915	α_{1910} (h m)		δ_{1910} (° ')		(log r) log Δ
März 31	13 28.2	6.5	−22 41	66	(0.407)
April 8	13 21.7	6.6	−21 35	79	0.198
16	[11] 13 15.1	6.3	−20 16	86	0.196
24	13 8.8	5.5	−18 50	88	0.199
Mai 2	13 3.3	4.1	−17 22	85	0.206
10	12 59.2		−15 57		(0.411)

(666) Desdemona 14.8 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
März 31	13 29.5	6.4	−12 25	50	(0.507)
April 8	13 23.1	6.6	−11 35	53	0.345
16	[12] 13 16.5	6.3	−10 42	54	0.345
24	13 10.2	5.7	− 9 48	51	0.348
Mai 2	13 4.5	4.9	− 8 57	47	0.355
10	12 59.6		− 8 10		(0.507)

(338) Budrosa 12.2 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
März 31	13 31.9	6.3	−19 12	29	(0.473)
April 8	13 25.6	6.5	−18 43	36	0.298
16	[12] 13 19.1	6.4	−18 7	42	0.296
24	13 12.7	5.7	−17 25	44	0.298
Mai 2	13 7.0	4.7	−16 41	43	0.304
10	13 2.3		−15 58		(0.473)

(523) Ada 13.1 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
März 31	13 32.4	6.2	−15 32	37	(0.491)
April 8	13 26.2	6.4	−14 55	42	0.326
16	[12] 13 19.8	6.0	−14 13	44	0.327
24	13 13.8	5.5	−13 29	43	0.332
Mai 2	13 8.3	4.5	−12 46	40	0.340
10	13 3.8		−12 6		(0.502)

(734) [1912 *PH*] 13.7 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
März 31	13 34.3	6.0	−12 26	22	(0.525)
April 8	13 28.3	6.3	−12 4	26	0.373
16	[13] 13 22.0	6.1	−11 38	27	0.373
24	13 15.9	5.5	−11 11	25	0.376
Mai 2	13 10.4	4.8	−10 46	22	0.382
10	13 5.6		−10 24		(0.528)

(81) Terpsichore 12.7 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
März 31	13 35.0	6.6	−13 56	22	(0.526)
April 8	13 28.4	6.8	−13 34	26	0.376
16	[13] 13 21.6	6.6	−13 8	27	0.376
24	13 15.0	6.0	−12 41	27	0.379
Mai 2	13 9.0	5.2	−12 14	25	0.386
10	13 3.8		−11 49		(0.531)

(324) Bamberga 11.3 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
März 31	13h 39m.5	6.9	−24° 13′	16	(0.546)
April 8	[14] 13 32.6	7.3	−23 57	25	0.406
16	13 25.3	7.2	−23 32	32	0.401
24	13 18.1	6.8	−23 0	38	0.400
Mai 2	13 11.3	6.0	−22 22	40	0.402
10	13 5.3		−21 42		(0.541)

(244) Sita 14.5 1900

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 8	13h 42m.5	7.9	−11° 4′	56	(0.392)
16	[16] 13 34.6	7.9	−10 8	56	0.164
24	13 26.7	7.4	− 9 12	53	0.165
Mai 2	13 19.3	6.1	− 8 19	47	0.172
10	13 13.2	4.6	− 7 32	38	0.182
18	13 8.6		− 6 54		(0.389)

(735) [1912 *PY*] 13.6 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
März 31	13 39.9	6.9	+ 0 14	22	(0.535)
April 8	[14] 13 33.0	7.3	+ 0 36	20	0.384
16	13 25.7	7.3	+ 0 56	14	0.382
24	13 18.4	6.9	+ 1 10	9	0.383
Mai 2	13 11.5	6.0	+ 1 19	0	0.388
10	13 5.5		+ 1 19		(0.526)

(599) Luisa 13.1 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 8	13 48.2	7.5	− 1 4	16	(0.502)
16	[17] 13 40.7	7.7	− 0 48	13	0.340
24	13 33.0	7.3	− 0 35	5	0.335
Mai 2	13 25.7	6.7	− 0 30	1	0.333
10	13 19.0	5.8	− 0 31	9	0.335
18	13 13.2		− 0 40		(0.488)

(311) Claudia 12.9 1905

1915	α_{1910}		δ_{1910}		(log r) log Δ
März 31	13 40.1	6.1	− 5 45	34	(0.457)
April 8	[14] 13 34.0	6.4	− 5 11	34	0.272
16	13 27.6	6.3	− 4 37	31	0.271
24	13 21.3	5.8	− 4 6	25	0.274
Mai 2	13 15.5	4.8	− 3 41	18	0.282
10	13 10.7		− 3 23		(0.458)

(71) Niobe 9.8 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 8	13 51.1	9.8	−51 35	39	(0.356)
16	[17] 13 41.3	10.6	−52 14	8	0.154
24	13 30.7	10.0	−52 22	22	0.148
Mai 2	13 20.7	8.2	−52 0	46	0.146
10	13 12.5	6.0	−51 14	68	0.148
18	13 6.5		−50 6		(0.356)

(423) Diotima 11.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
März 31	13 40.9	6.2	+ 3 44	27	(0.480)
April 8	[14] 13 34.7	6.5	+ 4 11	20	0.309
16	13 28.2	6.4	+ 4 31	13	0.309
24	13 21.8	5.9	+ 4 44	3	0.312
Mai 2	13 15.9	5.0	+ 4 47	6	0.319
10	13 10.9		+ 4 41		(0.479)

(717) [1911 *MJ*] 15.1 1911

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 8	13 47.2	5.8	−12 41	30	(0.586)
16	[17] 13 41.4	5.8	−12 11	31	0.454
24	13 35.6	5.6	−11 40	31	0.453
Mai 2	13 30.0	5.1	−11 9	30	0.456
10	13 24.9	4.3	−10 39	26	0.461
18	13 20.6		−10 13		(0.581)

(778) [1914 *UA*] 14.5 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
März 31	13 44.1	6.8	−28 22	9	(0.528)
April 8	[15] 13 37.3	7.2	−28 13	21	0.388
16	13 30.1	6.8	−27 52	30	0.388
24	13 23.3	6.3	−27 22	35	0.390
Mai 2	13 17.0	5.5	−26 47	40	0.396
10	13 11.5		−26 7		(0.540)

(721) Tabora 14.6 1911

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 8	13 49.9	5.5	− 8 6	20	(0.601)
16	[18] 13 44.4	5.5	− 7 46	20	0.475
24	13 38.9	5.3	− 7 26	18	0.476
Mai 2	13 33.6	4.8	− 7 8	15	0.479
10	13 28.8	4.1	− 6 53	10	0.485
18	13 24.7		− 6 43		(0.601)

(79) Eurynome 11.4 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
März 31	13 44.7	6.8	−11 26	50	(0.456)
April 8	[15] 13 37.9	7.1	−10 36	52	0.272
16	13 30.8	6.9	− 9 44	53	0.271
24	13 23.9	6.4	− 8 51	50	0.274
Mai 2	13 17.5	5.4	− 8 1	43	0.282
10	13 12.1		− 7 18		(0.460)

(655) Briseïs 13.0 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 8	13 51.4	6.0	− 1 51	41	(0.507)
16	[18] 13 45.4	5.9	− 1 10	36	0.346
24	13 39.5	5.7	− 0 34	29	0.350
Mai 2	13 33.8	5.0	− 0 5	21	0.354
10	13 28.8	4.1	+ 0 16	13	0.363
18	13 24.7		+ 0 29		(0.509)

(781) [1914 *UF*] 12.8 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 8	$13^h 53^m.9$		+13° 58′		(0.492)
16	[19] 13 48.5	5.4	+14 53	55	0.335
24	13 42.9	5.6	+15 35	42	0.338
Mai 2	13 37.7	5.2	+16 2	27	0.344
10	13 33.1	4.6	+16 14	12	0.352
18	13 29.3	3.8	+16 11	$\overline{3}$	(0.488)

(677) Aaltje 12.8 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 8	13 55.9		−24 23		(0.452)
16	[19] 13 49.5	6.4	−23 49	34	0.267
24	13 42.9	6.6	−23 6	43	0.265
Mai 2	13 36.7	6.2	−22 16	50	0.267
10	13 31.2	5.5	−21 23	53	0.273
18	13 26.8	4.4	−20 29	54	(0.453)

(571) Dulcinea 15.1 1905

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 8	13 58.6		−15 38		(0.476)
16	[19] 13 51.0	7.6	−15 9	29	0.300
24	13 43.3	7.7	−14 37	32	0.299
Mai 2	13 35.7	7.6	−14 3	34	0.302
10	13 29.0	6.7	−13 31	32	0.309
18	13 23.3	5.7	−13 1	30	(0.475)

(772) [1913 *TR*] 11.7 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 8	14 1.5		+23 8		(0.436)
16	[19] 13 52.9	8.6	+22 57	11	0.263
24	13 44.1	8.8	+22 26	31	0.266
Mai 2	13 35.8	8.3	+21 35	51	0.273
10	13 28.5	7.3	+20 25	70	0.284
18	13 22.8	5.7	+19 2	83	(0.436)

(45) Eugenia 10.2 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 8	13 58.1		− 2 28		(0.401)
16	[20] 13 52.0	6.1	− 1 35	53	0.181
24	13 45.6	6.4	− 0 47	48	0.181
Mai 2	13 39.6	6.0	− 0 7	40	0.187
10	13 34.3	5.3	+ 0 21	28	0.197
18	13 30.3	4.0	+ 0 36	15	(0.398)

(610) Valeska 16.7 1906

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 8	14 4.5		−15 32		(0.578)
16	[21] 13 58.2	6.3	−15 18	14	0.444
24	13 51.7	6.5	−15 2	16	0.442
Mai 2	13 45.3	6.4	−14 43	19	0.443
10	13 39.2	6.1	−14 25	18	0.447
18	13 33.9	5.3	−14 8	17	(0.574)

(776) [1914 *TY*] 11.7 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 8	$14^h 12^m.6$		+ 9° 17′		(0.524)
16	[23] 14 6.1	6.5	+ 9 41	24	0.377
24	13 59.5	6.6	+ 9 56	15	0.378
Mai 2	13 52.9	6.6	+10 0	4	0.382
10	13 46.7	6.2	+ 9 54	$\overline{6}$	0.389
18	13 41.3	5.4	+ 9 36	18	(0.523)

(775) [1914 *TX*] 14.0 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 8	14 15.3		−31 0		(0.497)
16	[23] 14 8.5	6.8	−30 48	12	0.342
24	14 1.3	7.2	−30 28	20	0.340
Mai 2	13 54.1	7.2	−29 59	29	0.342
10	13 47.5	6.6	−29 22	37	0.347
18	13 41.8	5.7	−28 38	44	(0.505)

(30) Urania 10.6 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 8	14 16.7		−17 9		(0.426)
16	[23] 14 9.5	7.2	−16 37	32	0.224
24	14 1.7	7.8	−15 58	39	0.221
Mai 2	13 54.0	7.7	−15 17	41	0.222
10	13 46.9	7.1	−14 35	42	0.228
18	13 40.9	6.0	−13 56	39	(0.426)

(609) Fulvia 12.7 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 8	14 17.3		− 9 19		(0.480)
16	[24] 14 11.8	5.5	− 8 39	40	0.305
24	14 5.8	6.0	− 7 59	40	0.303
Mai 2	13 59.9	5.9	− 7 21	38	0.305
10	13 54.4	5.5	− 6 49	32	0.310
18	13 49.8	4.6	− 6 21	28	(0.478)

(348) May 13.1 1911

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 8	14 19.0		− 0 18		(0.481)
16	[21] 14 13.1	5.9	+ 0 11	29	0.312
24	14 6.5	6.6	+ 0 36	25	0.312
Mai 2	14 0.1	6.4	+ 0 53	17	0.316
10	13 54.2	5.9	+ 1 2	9	0.324
18	13 49.1	5.1	+ 1 1	$\overline{1}$	(0.485)

(148) Gallia 11.9 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 16	14 18.5		+19 40		(0.515)
24	[25] 14 12.4	6.1	+20 31	51	0.378
Mai 2	14 6.2	6.2	+21 5	34	0.384
10	14 0.4	5.8	+21 23	18	0.391
18	13 55.3	5.1	+21 25	2	0.401
26	13 51.1	4.2	+21 11	$\overline{14}$	(0.516)

(484) Pittsburghia 13.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 16	14ʰ 21ᵐ.3	6.5	+6° 32′	44	(0.431)
24	[26] 14 14.8	6.7	+7 16	31	0.238
Mai 2	14 8.1	6.2	+7 47	17	0.240
10	14 1.9	5.4	+8 4	3	0.246
18	13 56.5	4.4	+8 7	13	0.256
26	13 52.1		+7 54		(0.428)

(197) Arete 12.9 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 16	14 24.7	6.9	−3 19	26	(0.456)
24	[27] 14 17.8	7.1	−2 53	21	0.267
Mai 2	14 10.7	6.9	−2 32	14	0.266
10	14 3.8	6.2	−2 18	5	0.269
18	13 57.6	5.2	−2 13	4	0.275
26	13 52.4		−2 17		(0.446)

(497) Jva 14.5 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 16	14 25.9	6.7	−17 57	25	(0.548)
24	[27] 14 19.2	6.9	−17 32	27	0.402
Mai 2	14 12.3	6.5	−17 5	27	0.401
10	14 5.8	5.8	−16 38	27	0.404
18	14 0.0	4.9	−16 11	24	0.409
26	13 55.1		−15 47		(0.540)

(169) Zelia 11.5 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 16	14 29.8	8.1	−21 5	16	(0.387)
24	[27] 14 21.7	8.5	−20 49	24	0.154
Mai 2	14 13.2	8.3	−20 25	29	0.150
10	14 4.9	7.4	−19 56	31	0.150
18	13 57.5	6.0	−19 25	30	0.155
26	13 51.5		−18 55		(0.376)

(680) Genoveva 12.0 1909

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 16	14 31.3	7.8	−11 9	20	(0.420)
24	[28] 14 23.5	8.2	−11 29	22	0.206
Mai 2	14 15.3	8.2	−11 51	22	0.200
10	14 7.1	7.7	−12 13	25	0.199
18	13 59.4	6.4	−12 38	29	0.203
26	13 53.0		−13 7		(0.404)

(49) Pales 12.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 16	14 28.3	5.8	−18 55	29	(0.580)
24	[28] 14 22.5	6.1	−18 26	31	0.449
Mai 2	14 16.4	5.9	−17 55	33	0.447
10	14 10.5	5.4	−17 22	32	0.451
18	14 5.1	4.6	−16 50	29	0.456
26	14 0.5		−16 21		(0.580)

(516) Amherstia 9.1 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 16	14ʰ 31ᵐ.2	7.5	−39° 36′	42	(0.288)
24	[28] 14 23.7	8.2	−40 18	17	9.996
Mai 2	14 15.5	8.0	−40 35	10	9.990
10	14 7.5	6.6	−40 25	30	9.991
18	14 0.9	4.2	−39 55	47	9.996
26	13 56.7		−39 8		(0.288)

(771) Libera 14.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 16	14 31.2	6.7	−16 7	67	(0.474)
24	[28] 14 24.5	6.8	−15 0	67	0.300
Mai 2	14 17.7	6.4	−13 53	66	0.304
10	14 11.3	5.6	−12 47	61	0.312
18	14 5.7	4.6	−11 46	54	0.323
26	14 1.1		−10 52		(0.485)

(123) Brunhild 12.3 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 16	14 31.1	7.1	−24 56	25	(0.471)
24	[28] 14 24.0	7.5	−24 31	33	0.295
Mai 2	14 16.5	7.0	−23 58	40	0.294
10	14 9.5	6.3	−23 18	42	0.298
18	14 3.2	5.2	−22 36	42	0.304
26	13 58.0		−21 54		(0.474)

(770) [1913 *TE*] 13.7 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 16	14 33.7	8.4	−13 49	28	(0.401)
24	[28] 14 25.3	8.6	−13 21	28	0.182
Mai 2	14 16.7	8.1	−12 53	27	0.183
10	14 8.6	7.3	−12 26	23	0.190
18	14 1.3	5.8	−12 3	20	0.200
26	13 55.5		−11 43		(0.406)

(90) Antiope 11.5 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 16	14 35.0	6.0	−13 12	26	(0.491)
24	[29] 14 29.0	6.3	−12 46	27	0.319
Mai 2	14 22.7	6.2	−12 19	26	0.316
10	14 16.5	5.7	−11 53	24	0.316
18	14 10.8	4.9	−11 29	18	0.320
26	14 5.9		−11 11		(0.483)

(151) Abundantia 11.7 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
April 16	14 38.0	7.5	−14 44	14	(0.402)
24	[29] 14 30.5	7.9	−14 30	15	0.182
Mai 2	14 22.6	7.6	−14 15	15	0.182
10	14 15.0	6.8	−14 0	13	0.186
18	14 8.2	5.7	−13 47	9	0.195
26	14 2.5		−13 38		(0.404)

(56) Melete 10.7 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
April 16		14h 36.3m	6.3	−10° 22′	69	(0.376)
24	29	14 30.0	6.7	− 9 13	68	0.132
Mai 2		14 23.3	6.6	− 8 5	64	0.125
10		14 16.7	5.9	− 7 1	55	0.123
18		14 10.8	4.8	− 6 6	46	0.127
26		14 6.0		− 5 20		(0.357)

(185) Eunike 10.7 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
April 24		14 45.5	6.1	+15 16	53	(0.485)
Mai 2	3	14 39.4	6.2	+16 9	36	0.332
10		14 33.2	5.9	+16 45	20	0.336
18		14 27.3	5.1	+17 5	2	0.343
26		14 22.2	4.0	+17 7	14	0.352
Juni 3		14 18.2		+16 53		(0.482)

(146) Lucina 10.7 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
April 24		14 47.2	7.5	+ 0 34	8	(0.406)
Mai 2	3	14 39.7	7.3	+ 0 42	4	0.194
10		14 32.4	6.8	+ 0 38	16	0.197
18		14 25.6	5.9	+ 0 22	27	0.204
26		14 19.7	4.4	− 0 5	38	0.216
Juni 3		14 15.3		− 0 43		(0.406)

(471) Papagena 11.0 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
April 24		14 48.7	6.4	− 0 24	17	(0.552)
Mai 2	3	14 42.3	6.5	− 0 7	12	0.412
10		14 35.8	6.2	+ 0 5	4	0.414
18		14 29.6	5.7	+ 0 9	4	0.419
26		14 23.9	4.6	+ 0 5	12	0.427
Juni 3		14 19.3		− 0 7		(0.551)

(737) [1912 *QB*] 11.0 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
April 24		14 51.6	6.5	− 4 39	74	(0.403)
Mai 2	4	14 45.1	6.8	− 3 25	68	0.180
10		14 38.3	6.5	− 2 17	58	0.177
18		14 31.8	5.7	− 1 19	45	0.179
26		14 26.1	4.5	− 0 34	30	0.185
Juni 3		14 21.6		− 0 4		(0.385)

(421) Zähringia 15.5 1908

1915		α_{1910}		δ_{1910}		(log r) log Δ
April 24		14 54.6	6.8	−10 13	45	(0.514)
Mai 2	5	14 47.8	6.9	− 9 28	42	0.354
10		14 40.9	6.6	− 8 46	39	0.354
18		14 34.3	5.9	− 8 7	33	0.358
26		14 28.4	5.0	− 7 34	25	0.366
Juni 3		14 23.4		− 7 9		(0.511)

(582) Olympia 13.1 1912

1915		α_{1910}		δ_{1910}		(log r) log Δ
April 24		14h 57.6m	6.8	+24° 43′	58	(0.433)
Mai 2	5	14 50.8	6.8	+25 41	34	0.276
10		14 44.0	6.4	+26 15	10	0.286
18		14 37.6	5.4	+26 25	12	0.298
26		14 32.2	4.2	+26 13	31	0.312
Juni 3		14 28.0		+25 42		(0.447)

(529) Preziosa 13.5 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
April 24		14 59.0	6.5	−10 12	12	(0.521)
Mai 2	6	14 52.5	6.6	−10 0	10	0.365
10		14 45.9	6.5	− 9 50	8	0.366
18		14 39.4	5.9	− 9 42	3	0.370
26		14 33.5	5.0	− 9 39	3	0.377
Juni 3		14 28.5		− 9 42		(0.521)

(608) Adolfine 14.5 1911

1915		α_{1910}		δ_{1910}		(log r) log Δ
April 24		15 2.7	6.6	−30 12	23	(0.514)
Mai 2	6	14 56.1	6.9	−29 49	31	0.357
10		14 49.2	6.7	−29 18	38	0.354
18		14 42.5	6.1	−28 40	43	0.354
26		14 36.4	5.2	−27 57	46	0.358
Juni 3		14 31.2		−27 11		(0.510)

(546) Herodias 12.1 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
April 24		15 14.2	8.8	−28 11	21	(0.415)
Mai 2	8	15 5.4	9.2	−28 32	9	0.211
10		14 56.2	9.1	−28 41	—	0.211
18		14 47.1	8.2	−28 41	6	0.215
26		14 38.9	6.9	−28 35	12	0.224
Juni 3		14 32.0		−28 23		(0.423)

(342) Endymion 13.3 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Mai 2		15 15.1	7.2	−19 9	48	(0.442)
10	10	15 7.9	7.2	−18 21	50	0.247
18		15 0.7	6.5	−17 31	48	0.251
26		14 54.2	5.5	−16 43	44	0.258
Juni 3		14 48.7	4.2	−15 59	37	0.270
11		14 44.5		−15 22		(0.448)

(653) Berenike 12.7 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
April 24		15 20.4	5.7	− 0 50	35	(0.462)
Mai 2	10	15 14.7	6.3	− 0 15	26	0.284
10		15 8.4	6.2	+ 0 11	18	0.284
18		15 2.2	5.7	+ 0 29	6	0.288
26		14 56.5	4.8	+ 0 35	4	0.296
Juni 3		14 51.7		+ 0 31		(0.464)

(549) Jessonda 14.4 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 2	15h 21.9m	7.4	−23° 44′	29	(0.501)
10	$_{12}$15 14.5	7.4	−23 15	33	0.338
18	15 7.1	6.8	−22 42	35	0.340
26	15 0.3	6.0	−22 7	34	0.347
Juni 3	14 54.3	5.0	−21 33	33	0.356
11	14 49.3		−21 0		(0.509)

(266) Aline 12.4 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 2	15 23.5	6.6	−20 55	50	(0.503)
10	$_{12}$15 16.9	6.7	−20 5	53	0.337
18	15 10.2	6.3	−19 12	53	0.336
26	15 3.9	5.7	−18 19	52	0.339
Juni 3	14 58.2	4.7	−17 27	47	0.345
11	14 53.5		−16 40		(0.499)

(111) Ate 11.5 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 2	15 26.4	7.7	−26 34	27	(0.432)
10	$_{13}$15 18.7	7.7	−26 7	33	0.234
18	15 11.0	7.3	−25 34	37	0.235
26	15 3.7	6.4	−24 57	39	0.240
Juni 3	14 57.3	5.0	−24 18	38	0.250
11	14 52.3		−23 40		(0.438)

(302) Clarissa 14.4 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 2	15 28.1	8.1	−22 39	19	(0.426)
10	$_{13}$15 20.0	8.3	−22 20	24	0.220
18	15 11.7	7.8	−21 56	27	0.220
26	15 3.9	6.9	−21 29	27	0.225
Juni 3	14 57.0	5.6	−21 2	24	0.234
11	14 51.4		−20 38		(0.427)

(176) Iduna 12.8 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 2	15 34.5	5.5	− 3 29	57	(0.562)
10	$_{15}$15 29.0	5.6	− 2 32	51	0.425
18	15 23.4	5.5	− 1 41	44	0.425
26	15 17.9	5.1	− 0 57	35	0.428
Juni 3	15 12.8	4.5	− 0 22	25	0.433
11	15 8.3		+ 0 3		(0.558)

(349) Dembowska 10.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 2	15 37.7	7.0	−23 33	3	(0.494)
10	$_{15}$15 30.7	7.3	−23 30	8	0.325
18	15 23.4	7.3	−23 22	11	0.322
26	15 16.1	6.6	−23 11	12	0.324
Juni 3	15 9.5	5.6	−22 59	13	0.329
11	15 3.9		−22 46		(0.491)

(371) Bohemia 11.4 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 2	15h 48.2m	6.8	−29° 22′	26	(0.412)
10	$_{17}$15 41.4	7.4	−28 56	35	0.199
18	15 34.0	7.4	−28 21	44	0.197
26	15 26.6	6.6	−27 37	48	0.195
Juni 3	15 20.0	4.9	−26 49	50	0.200
11	15 15.1		−25 59		(0.409)

(15) Eunomia 9.4 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 10	15 45.3	8.0	−34 44	29	(0.485)
18	$_{18}$15 37.3	8.1	−34 15	39	0.314
26	15 29.2	7.6	−33 36	48	0.312
Juni 3	15 21.6	6.6	−32 48	52	0.314
11	15 15.0	5.2	−31 56	54	0.320
19	15 9.8		−31 2		(0.478)

(407) Arachne 12.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 10	15 47.4	7.8	−30 14	29	(0.440)
18	$_{18}$15 39.6	7.9	−29 45	38	0.242
26	15 31.7	7.3	−29 7	43	0.242
Juni 3	15 24.4	6.2	−28 24	46	0.245
11	15 18.2	4.8	−27 38	46	0.243
19	15 13.4		−26 52		(0.436)

(374) Burgundia 11.2 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 10	15 53.8	6.6	−16 7	53	(0.408)
18	$_{20}$15 47.2	6.6	−15 14	51	0.189
26	15 40.6	6.1	−14 23	46	0.191
Juni 3	15 34.5	5.2	−13 37	39	0.197
11	15 29.3	3.9	−12 58	31	0.207
19	15 25.4		−12 27		(0.408)

(457) Alleghenia 15.7 1900

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 10	15 54.9	6.3	−24 27	38	(0.543)
18	$_{20}$15 48.6	6.5	−23 49	42	0.393
26	15 42.1	6.2	−23 7	43	0.391
Juni 3	15 35.9	5.6	−22 24	43	0.393
11	15 30.3	4.6	−21 41	41	0.398
19	15 25.7		−21 0		(0.537)

(719) Albert 16.1 1911

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 10	16 1.7	8.2	− 4 40	96	(0.317)
18	$_{21}$15 53.5	9.1	− 3 4	90	0.014
26	15 44.4	9.5	− 1 34	79	9.994
Juni 3	15 34.9	9.0	− 0 15	61	9.980
11	15 25.9	7.6	+ 0 46	41	9.972
19	15 18.3		+ 1 27		(0.256)

(521) Brixia 13.4 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 10	16h 3.0m	6.9	−12° 34′	11	(0.541)
18	[22] 15 56.1	7.0	−12 23	8	0.391
26	15 49.1	6.8	−12 15	5	0.391
Juni 3	15 42.3	6.4	−12 10	—	0.393
11	15 35.9	5.4	−12 10	3	0.399
19	15 30.5		−12 13		(0.536)

(656) Beagle 13.7 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 10	16 3.1	6.5	−20 12	19	(0.499)
18	[23] 15 56.6	6.5	−19 53	20	0.333
26	15 50.1	6.2	−19 33	20	0.335
Juni 3	15 43.9	5.6	−19 13	18	0.341
11	15 38.3	4.6	−18 55	16	0.350
19	15 33.7		−18 39		(0.506)

(504) Cora 12.9 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 10	16 4.6	7.0	− 5 26	10	(0.455)
18	[22] 15 57.6	7.5	− 5 16	2	0.265
26	15 50.1	7.3	− 5 14	— 6	0.262
Juni 3	15 42.8	6.7	− 5 20	16	0.263
11	15 36.1	5.8	− 5 36	24	0.268
19	15 30.3		− 6 0		(0.441)

(202) Chryseïs 10.8 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 10	16 5.9	6.2	− 7 53	20	(0.494)
18	[22] 15 59.7	6.3	− 7 33	14	0.329
26	15 53.4	6.1	− 7 19	8	0.331
Juni 3	15 47.3	5.4	− 7 11	1	0.337
11	15 41.9	4.6	− 7 10	— 7	0.346
19	15 37.3		− 7 17		(0.500)

(754) [1906 *UT*] 13.0 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 10	16 6.5	5.7	+ 9 7	56	(0.485)
18	[22] 16 0.8	6.0	+10 3	41	0.329
26	15 54.8	5.8	+10 44	26	0.332
Juni 3	15 49.0	5.3	+11 10	9	0.337
11	15 43.7	4.4	+11 19	— 7	0.345
19	15 39.3		+11 12		(0.487)

(597) Bandusia 12.6 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 10	16 18.3	8.0	−29 23	26	(0.416)
18	[24] 16 10.3	8.8	−29 49	17	0.204
26	16 1.5	8.9	−30 6	10	0.198
Juni 3	15 52.6	8.3	−30 16	3	0.197
11	15 44.3	7.1	−30 19	— 2	0.201
19	15 37.2		−30 17		(0.406)

(478) Tergeste 11.2 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 18	16h 17.5m	6.4	−18° 33′	45	(0.500)
26	[26] 16 11.1	6.4	−17 48	44	0.334
Juni 3	16 4.7	5.9	−17 4	41	0.336
11	15 58.8	5.1	−16 23	36	0.343
19	15 53.7	4.0	−15 47	31	0.352
27	15 49.7		−15 16		(0.504)

(102) Miriam 12.8 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 18	16 23.6	7.3	−17 20	32	(0.439)
26	[27] 16 16.3	7.7	−16 48	33	0.235
Juni 3	16 8.6	7.3	−16 15	29	0.231
11	16 1.3	6.4	−15 46	25	0.232
19	15 54.9	5.2	−15 21	20	0.237
27	15 49.7		−15 1		(0.422)

(360) Carlova 12.8 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 18	16 24.7	6.2	− 6 8	13	(0.549)
26	[28] 16 18.5	6.2	− 5 55	7	0.407
Juni 3	16 12.3	6.0	− 5 48	1	0.408
11	16 6.3	5.4	− 5 47	— 6	0.413
19	16 0.9	4.5	− 5 53	13	0.420
27	15 56.4		− 6 6		(0.548)

(150) Nuwa 11.7 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 18	16 34.3	6.6	−20 2	19	(0.486)
26	[30] 16 27.7	6.8	−19 43	20	0.310
Juni 3	16 20.9	6.6	−19 23	19	0.308
11	16 14.3	6.0	−19 4	17	0.310
19	16 8.3	5.0	−18 47	15	0.315
27	16 3.3		−18 32		(0.479)

(274) Philagoria 13.0 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 18	16 38.0	6.7	−19 21	5	(0.435)
26	[30] 16 31.3	6.8	−19 16	5	0.236
Juni 3	16 24.5	6.6	−19 11	4	0.237
11	16 17.9	5.9	−19 7	2	0.242
19	16 12.0	4.7	−19 5	0	0.252
27	16 7.3		−19 5		(0.441)

(336) Lacadiera 11.2 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 18	16 43.9	7.4	−20 26	49	(0.311)
26	[31] 16 36.5	7.8	−19 37	49	0.015
Juni 3	16 28.7	7.6	−18 48	47	0.012
11	16 21.1	6.5	−18 1	42	0.017
19	16 14.6	4.7	−17 19	34	0.027
27	16 9.9		−16 45		(0.309)

(560) Delila 14.0 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 18	16ʰ 48ᵐ.6	6.9	−14° 40′	5	(0.484)
26	16 41.7	7.3	−14 35	1	0.312
Juni 3	[1] 16 34.4	7.1	−14 34	3	0.313
11	16 27.3	6.5	−14 37	6	0.318
19	16 20.8	5.6	−14 43	9	0.326
27	16 15.2		−14 52		(0.490)

(386) Siegena 11.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 18	16 51.2	5.9	+ 6 2	35	(0.507)
26	16 45.3	6.3	+ 6 37	23	0.358
Juni 3	[2] 16 39.0	6.3	+ 7 0	9	0.357
11	16 32.7	5.8	+ 7 9	5	0.358
19	16 26.9	5.2	+ 7 4	17	0.362
27	16 21.7		+ 6 47		(0.501)

(32) Pomona 10.2 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 18	16 53.7	7.0	−18 25	34	(0.387)
26	16 46.7	7.5	−17 51	33	0.159
Juni 3	[2] 16 39.2	7.3	−17 18	30	0.158
11	16 31.9	6.5	−16 48	26	0.163
19	16 25.4	5.3	−16 22	19	0.173
27	16 20.1		−16 3		(0.393)

(24) Themis 11.0 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 26	16 56.7	6.8	−23 21	9	(0.508)
Juni 3	16 49.9	6.7	−23 12	11	0.346
11	[1] 16 43.2	6.4	−23 1	11	0.349
19	16 36.8	5.6	−22 50	11	0.356
27	16 31.2	4.4	−22 39	10	0.365
Juli 5	16 26.8		−22 29		(0.515)

(716) Berkeley 13.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 26	16 58.5	6.9	− 9 26	9	(0.423)
Juni 3	16 51.6	6.8	− 9 17	1	0.219
11	[5] 16 44.8	6.4	− 9 16	7	0.222
19	16 38.4	5.5	− 9 23	14	0.230
27	16 32.9	4.3	− 9 37	22	0.241
Juli 5	16 28.6		− 9 59		(0.428)

(133) Cyrene 10.5 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 26	17 0.1	7.1	−33 32	13	(0.425)
Juni 3	16 53.0	7.2	−33 19	22	0.221
11	[5] 16 45.8	6.8	−32 57	28	0.221
19	16 39.0	5.7	−32 29	34	0.226
27	16 33.3	4.2	−31 55	36	0.235
Juli 5	16 29.1		−31 19		(0.426)

(328) Gudrun 12.9 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 26	17ʰ 7ᵐ.5	8.4	−45° 10′	5	(0.538)
Juni 3	16 59.1	8.6	−45 15	7	0.398
11	[6] 16 50.5	8.1	−45 8	17	0.397
19	16 42.4	7.4	−44 51	27	0.399
27	16 35.0	6.1	−44 24	35	0.405
Juli 5	16 28.9		−43 49		(0.540)

(466) Tisiphone 11.6 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 26	17 9.1	7.6	−39 56	32	(0.506)
Juni 3	17 1.5	7.6	−39 24	42	0.348
11	[7] 16 53.9	7.1	−38 42	51	0.348
19	16 46.8	6.4	−37 51	57	0.352
27	16 40.4	5.0	−36 54	61	0.358
Juli 5	16 35.4		−35 53		(0.509)

(73) Klytia 12.2 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 26	17 22.2	7.5	−26 37	2	(0.444)
Juni 3	17 14.7	7.8	−26 35	6	0.248
11	[9] 17 6.9	7.8	−26 29	10	0.246
19	16 59.1	7.1	−26 19	12	0.249
27	16 52.0	5.9	−26 7	13	0.255
Juli 5	16 46.1		−25 54		(0.443)

(28) Bellona 10.5 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 26	17 20.9	6.6	−10 1	6	(0.478)
Juni 3	17 14.3	7.0	− 9 55	1	0.305
11	[9] 17 7.3	6.8	− 9 54	5	0.306
19	17 0.5	6.3	− 9 59	10	0.312
27	16 54.2	5.4	−10 9	17	0.320
Juli 5	16 48.8		−10 26		(0.484)

(417) Suevia 12.4 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 26	17 21.8	6.7	−14 32	25	(0.419)
Juni 3	17 15.1	7.1	−14 7	20	0.212
11	[9] 17 8.0	6.8	−13 47	15	0.214
19	17 1.2	6.1	−13 32	9	0.220
27	16 55.1	5.0	−13 23	2	0.231
Juli 5	16 50.1		−13 21		(0.428)

(180) Garumna 13.8 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 26	17 23.6	7.3	−24 20	8	(0.474)
Juni 3	17 16.3	7.7	−24 12	9	0.297
11	[10] 17 8.6	7.5	−24 3	11	0.298
19	17 1.1	6.8	−23 52	13	0.302
27	16 54.3	5.8	−23 39	12	0.311
Juli 5	16 48.5		−23 27		(0.481)

(166) Rhodope 13.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Mai 26	17h 25m.9	6.7	− 8° 46′	4	(0.481)
Juni 3	[10] 17 19.2	7.2	− 8 42	3	0.306
11	17 12.0	7.2	− 8 45	11	0.302
19	17 4.8	6.9	− 8 56	17	0.302
27	16 57.9	6.2	− 9 13	23	0.305
Juli 5	16 51.7		− 9 36		(0.471)

(441) Bathilde 12.9 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 3	17 28.2	7.3	−22 13	25	(0.481)
11	[12] 17 20.9	7.2	−21 48	25	0.304
19	17 13.7	6.7	−21 23	25	0.306
27	17 7.0	5.9	−20 58	23	0.311
Juli 5	17 1.1	4.7	−20 35	20	0.320
13	16 56.4		−20 15		(0.482)

(747) [1913 *QZ*] 12.0 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 3	17 27.9	6.4	− 3 19	2	(0.569)
11	[12] 17 21.5	6.4	− 3 21	9	0.434
19	17 15.1	6.3	− 3 30	17	0.433
27	17 8.8	5.8	− 3 47	24	0.434
Juli 5	17 3.0	5.0	− 4 11	31	0.438
13	16 58.0		− 4 42		(0.559)

(603) Timandra 14.2 1907

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 3	17 32.2	9.0	−36 10	7	(0.431)
11	[12] 17 23.2	8.9	−36 3	16	0.233
19	17 14.3	8.4	−35 47	23	0.237
27	17 5.9	7.1	−35 24	30	0.245
Juli 5	16 58.8	5.3	−34 54	35	0.256
13	16 53.5		−34 19		(0.440)

(702) [1910 *KQ*] 12.0 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 3	17 33.2	8.0	−38 39	35	(0.504)
11	[13] 17 25.2	7.9	−38 4	45	0.342
19	17 17.3	7.4	−37 19	53	0.342
27	17 9.9	6.4	−36 26	58	0.345
Juli 5	17 3.5	5.1	−35 28	61	0.352
13	16 58.4		−34 27		(0.503)

***(241)** Germania 11.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 3	17 36.8	6.8	−24 58	16	(0.478)
11	[14] 17 30.0	7.0	−24 42	19	0.297
19	17 23.0	6.8	−24 23	20	0.296
27	17 16.2	6.0	−24 3	21	0.298
Juli 5	17 10.2	4.6	−23 42	21	0.304
13	17 5.6		−23 21		(0.472)

(461) Saskia 15.2 1900

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 3	17h 40m.1	6.2	−21° 35′	4	(0.580)
11	[15] 17 33.9	6.4	−21 31	4	0.446
19	17 27.5	6.2	−21 27	4	0.447
27	17 21.3	5.6	−21 23	4	0.450
Juli 5	17 15.7	4.8	−21 19	2	0.457
13	17 10.9		−21 17		(0.582)

(282) Clorinde 13.7 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 3	17 43.0	7.7	− 9 59	0	(0.403)
11	[15] 17 35.3	8.0	− 9 59	8	0.185
19	17 27.3	7.8	−10 7	16	0.185
27	17 19.5	6.9	−10 23	24	0.190
Juli 5	17 12.6	5.5	−10 47	30	0.199
13	17 7.1		−11 17		(0.402)

(6) Hebe 8.8 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 3	17 44.8	7.5	− 2 51	2	(0.407)
11	[15] 17 37.3	7.9	− 2 53	15	0.194
19	17 29.4	7.8	− 3 8	29	0.189
27	17 21.6	7.2	− 3 37	42	0.189
Juli 5	17 14.4	6.1	− 4 19	52	0.193
13	17 8.3		− 5 11		(0.393)

(174) Phaedra 10.8 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 3	17 46.6	8.2	−42 5	7	(0.390)
11	[15] 17 38.4	8.5	−41 58	23	0.169
19	17 29.9	8.2	−41 35	37	0.168
27	17 21.7	7.0	−40 58	45	0.172
Juli 5	17 14.7	5.2	−40 13	51	0.180
13	17 9.5		−39 22		(0.392)

(506) Marion 13.2 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 3	17 56.4	7.9	−41 26	9	(0.541)
11	[17] 17 48.5	8.3	−41 17	17	0.399
19	17 40.2	8.0	−41 0	28	0.398
27	17 32.2	7.4	−40 32	36	0.400
Juli 5	17 24.8	6.3	−39 56	42	0.405
13	17 18.5		−39 14		(0.543)

(679) Pax 11.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 3	18 0.9	7.6	− 3 54	33	(0.434)
11	[18] 17 53.3	8.4	− 4 27	44	0.235
19	17 44.9	8.7	− 5 11	57	0.226
27	17 36.2	8.3	− 6 8	67	0.221
Juli 5	17 27.9	7.5	− 7 15	77	0.221
13	17 20.4		− 8 32		(0.413)

1915	α_{1910}		δ_{1910}		(log r) log Δ
(605) Juvisia			12.9		1906
Juni 3	18h 5.3m	9.1	−51° 46′	15	(0.474)
11	$_{18}$17 56.2	10.1	−52 1	1	0.311
19	17 46.1	10.1	−52 0	19	0.307
27	17 36.0	9.3	−51 41	36	0.306
Juli 5	17 26.7	7.7	−51 5	49	0.308
13	17 19.0		−50 16		(0.466)
(577) Rhea			12.2		1914
Juni 3	18 2.4	6.8	−31 5	0	(0.433)
11	$_{19}$17 55.6	7.2	−31 5	5	0.232
19	17 48.4	7.2	−31 0	11	0.228
27	17 41.2	6.5	−30 49	17	0.229
Juli 5	17 34.7	5.7	−30 32	23	0.233
13	17 29.0		−30 9		(0.429)
(445) Edna			12.7		1905
Juni 3	18 4.7	7.8	−38 29	23	(0.512)
11	$_{19}$17 56.9	8.2	−38 6	33	0.353
19	17 48.7	8.3	−37 33	42	0.348
27	17 40.4	7.7	−36 51	50	0.346
Juli 5	17 32.7	6.8	−36 1	56	0.348
13	17 25.9		−35 5		(0.502)
(718) Erida			12.0		1914
Juni 11	18 2.3	7.6	−31 36	16	(0.425)
19	$_{20}$17 54.7	7.6	−31 52	10	0.221
27	17 47.1	7.0	−32 2	3	0.226
Juli 5	17 40.1	5.9	−32 5	3	0.236
13	17 34.2	4.3	−32 2	8	0.249
21	17 29.9		−31 54		(0.436)
(748) Simeïsa			14.1		1913
Juni 11	18 4.9	5.3	−23 22	2	(0.650)
19	$_{21}$17 59.6	5.4	−23 20	3	0.538
27	17 54.2	5.2	−23 17	3	0.539
Juli 5	17 49.0	4.7	−23 14	4	0.542
13	17 44.3	4.1	−23 10	4	0.547
21	17 40.2		−23 6		(0.651)
(576) Emanuela			12.1		1905
Juni 11	18 8.2	7.6	−32 17	19	(0.432)
19	$_{21}$18 0.6	7.8	−31 58	28	0.225
27	17 52.8	7.4	−31 30	34	0.222
Juli 5	17 45.4	6.5	−30 56	39	0.224
13	17 38.9	4.9	−30 17	42	0.229
21	17 34.0		−29 35		(0.421)

1915	α_{1910}		δ_{1910}		(log r) log Δ
(221) Eos			11.0		1914
Juni 11	18h 10.7m	6.4	− 9° 50′	10	(0.457)
19	$_{22}$18 4.3	6.6	−10 0	18	0.269
27	17 57.7	6.3	−10 18	25	0.268
Juli 5	17 51.4	5.7	−10 43	30	0.270
13	17 45.7	4.6	−11 13	35	0.276
21	17 41.1		−11 48		(0.452)
(170) Maria			12.0		1914
Juni 11	18 16.9	9.1	−35 54	25	(0.434)
19	$_{23}$18 7.8	8.9	−35 29	34	0.234
27	17 58.9	8.4	−34 55	42	0.234
Juli 5	17 50.5	7.3	−34 13	50	0.239
13	17 43.2	5.9	−33 23	54	0.247
21	17 37.3		−32 29		(0.434)
(617) Patroclus			12.3		1913
Juni 11	18 14.1	5.8	−43 52	22	(0.689)
19	$_{23}$18 8.3	6.0	−44 14	15	0.592
27	18 2.3	6.0	−44 29	8	0.591
Juli 5	17 56.3	5.6	−44 37	2	0.593
13	17 50.7	4.9	−44 39	4	0.596
21	17 45.8		−44 35		(0.685)
(508) Princetonia			12.3		1914
Juni 11	18 17.3	7.5	−37 3	29	(0.497)
19	$_{23}$18 9.8	7.9	−37 32	22	0.333
27	18 1.9	7.7	−37 54	11	0.333
Juli 5	17 54.2	6.9	−38 5	3	0.337
13	17 47.3	5.8	−38 8	5	0.344
21	17 41.5		−38 3		(0.498)
(502) Signe			14.2		1911
Juni 11	18 19.3	7.9	+ 5 40	44	(0.399)
19	$_{23}$18 11.4	8.2	+ 4 56	62	0.199
27	18 3.2	7.9	+ 3 54	78	0.201
Juli 5	17 55.3	7.0	+ 2 36	90	0.207
13	17 48.3	5.6	+ 1 6	99	0.218
21	17 42.7		− 0 33		(0.411)
(572) Rebekka			13.3		1905
Juni 11	18 21.5	7.7	− 8 23	19	(0.396)
19	$_{21}$18 13.8	8.2	− 8 4	10	0.171
27	18 5.6	7.9	− 7 54	1	0.166
Juli 5	17 57.7	7.2	− 7 53	10	0.166
13	17 50.5	6.2	− 8 3	19	0.171
21	17 44.3		− 8 22		(0.383)

(112) Iphigenia 11.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 11	18h 27.6m	7.8	−27° 6′	2	(0.360)
19	18 19.8	8.5	−27 8	3	0.103
27	[25] 18 11.3	8.4	−27 5	8	0.098
Juli 5	18 2.9	7.5	−26 57	12	0.098
13	17 55.4	6.0	−26 45	15	0.104
21	17 49.4		−26 30		(0.350)

(398) Admete 14.8 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 11	18 27.1	7.3	−25 33	11	(0.521)
19	18 19.8	7.6	−25 22	13	0.362
27	[25] 18 12.2	7.5	−25 9	16	0.361
Juli 5	18 4.7	7.0	−24 53	17	0.362
13	17 57.7	6.1	−24 36	18	0.367
21	17 51.6		−24 18		(0.517)

(47) Aglaja 10.5 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 11	18 27.2	7.3	−31 22	12	(0.415)
19	18 19.9	7.7	−31 34	5	0.200
27	[illegible] 18 12.2	7.7	−31 39	1	0.197
Juli 5	18 4.5	6.9	−31 38	8	0.199
13	17 57.6	5.7	−31 30	13	0.204
21	17 51.9		−31 17		(0.409)

(416) Vaticana 10.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 11	18 33.1	7.3	−35 17	71	(0.342)
19	18 25.8	8.1	−36 28	58	0.081
27	[26] 18 17.7	8.2	−37 26	44	0.082
Juli 5	18 9.5	7.2	−38 10	30	0.088
13	18 2.3	5.6	−38 40	16	0.100
21	17 56.7		−38 56		(0.348)

(245) Vera 12.8 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 11	18 33.1	6.6	−26 56	17	(0.513)
19	18 26.5	7.0	−27 13	14	0.350
27	[26] 18 19.5	7.2	−27 27	10	0.346
Juli 5	18 12.3	6.8	−27 37	7	0.345
13	18 5.5	6.0	−27 44	4	0.348
21	17 59.5		−27 48		(0.504)

(701) [1910 *KN*] 13.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 11	18 32.6	6.4	−18 27	14	(0.476)
19	18 26.2	6.8	−18 13	13	0.299
27	[26] 18 19.4	6.7	−18 0	10	0.298
Juli 5	18 12.7	6.3	−17 50	8	0.300
13	18 6.4	5.3	−17 42	6	0.307
21	18 1.1		−17 36		(0.478)

(621) Werdandi 14.6 1911

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 11	18h 34.4m	6.3	−24° 35′	10	(0.554)
19	18 28.1	6.6	−24 45	7	0.411
27	[27] 18 21.5	6.7	−24 52	6	0.410
Juli 5	18 14.8	6.3	−24 58	4	0.411
13	18 8.5	5.5	−25 2	2	0.416
21	18 3.0		−25 4		(0.554)

(584) Semiramis 11.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 19	18 34.7	9.0	−26 25	38	(0.355)
27	[28] 18 25.7	9.6	−25 47	43	0.088
Juli 5	18 16.1	8.9	−25 4	48	0.083
13	18 7.2	7.6	−24 16	50	0.084
21	17 59.6	5.7	−23 26	48	0.089
29	17 53.9		−22 38		(0.334)

*(**13**) Egeria 10.2 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 19	18 40.8	9.7	−43 21	40	(0.443)
27	[29] 18 31.1	9.9	−44 1	25	0.255
Juli 5	18 21.2	9.4	−44 26	10	0.258
13	18 11.8	8.3	−44 36	4	0.264
21	18 3.5	6.4	−44 32	15	0.274
29	17 57.1		−44 17		(0.445)

(678) Fredegundis 13.0 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 19	18 39.2	8.1	−24 23	9	(0.446)
27	[29] 18 31.1	8.3	−24 14	11	0.246
Juli 5	18 22.8	8.0	−24 3	12	0.244
13	18 14.8	7.1	−23 51	14	0.245
21	18 7.7	5.9	−23 37	16	0.251
29	18 1.8		−23 21		(0.434)

(611) Valeria 12.9 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 19	18 38.7	6.2	− 4 9	4	(0.523)
27	[29] 18 32.5	6.2	− 4 5	5	0.372
Juli 5	18 26.3	6.1	− 4 10	13	0.372
13	18 20.2	5.5	− 4 23	20	0.375
21	18 14.7	4.6	− 4 43	26	0.381
29	18 10.1		− 5 9		(0.521)

(105) Artemis 10.3 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juni 19	18 45.2	6.5	+17 16	16	(0.302)
27	[30] 18 38.7	6.6	+17 32	14	0.055
Juli 5	18 32.1	6.2	+17 18	44	0.057
13	18 25.9	5.2	+16 34	72	0.065
21	18 20.7	3.4	+15 22	96	0.073
29	18 17.3		+13 46		(0.313)

(505) Cava 12.9 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 19		18h 51.5m	7.3	−24° 26′	28	(0.503)
27	1	18 44.2	7.9	−24 54	26	0.334
Juli 5		18 36.3	7.7	−25 20	24	0.332
13		18 28.6	7.1	−25 44	20	0.333
21		18 21.5	6.2	−26 4	17	0.338
29		18 15.3		−26 21		(0.495)

(533) Sara 13.4 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 19		18 50.1	6.4	−13 12	4	(0.472)
27	1	18 43.7	6.6	−13 16	9	0.294
Juli 5		18 37.1	6.4	−13 25	13	0.294
13		18 30.7	5.7	−13 38	17	0.298
21		18 25.0	4.8	−13 55	19	0.306
29		18 20.2		−14 14		(0.474)

(188) Menippe 12.0 1909

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 19		18 54.2	6.7	−11 6	45	(0.366)
27	2	18 47.5	7.1	−10 21	37	0.119
Juli 5		18 40.4	7.0	− 9 44	27	0.116
13		18 33.4	6.1	− 9 17	17	0.118
21		18 27.3	4.8	− 9 0	8	0.126
29		18 22.5		− 8 52		(0.360)

(319) Leona 14.7 1904

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 19		18 56.1	5.5	− 8 12	1	(0.570)
27	3	18 50.6	5.7	− 8 11	— 5	0.434
Juli 5		18 44.9	5.8	− 8 16	10	0.431
13		18 39.1	5.4	− 8 26	15	0.430
21		18 33.7	4.8	− 8 41	20	0.432
29		18 28.9		− 9 1		(0.562)

(205) Martha 12.7 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 19		18 59.3	6.5	− 7 40	14	(0.447)
27	3	18 52.8	6.9	− 7 26	5	0.258
Juli 5		18 45.9	6.7	− 7 21	— 3	0.256
13		18 39.2	6.3	− 7 24	11	0.258
21		18 32.9	5.2	− 7 35	17	0.264
29		18 27.7		− 7 52		(0.445)

(22) Kalliope 10.2 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 19		19 3.2	7.3	−33 22	41	(0.494)
27	4	18 55.9	7.9	−34 3	35	0.325
Juli 5		18 48.0	7.9	−34 38	27	0.323
13		18 40.1	7.4	−35 5	19	0.325
21		18 32.7	6.3	−35 24	11	0.330
29		18 26.4		−35 35		(0.490)

(91) Aegina 11.3 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 19		19h 5.2m	7.5	−25° 53′	14	(0.456)
27	1	18 57.7	8.0	−26 7	11	0.265
Juli 5		18 49.7	7.9	−26 18	7	0.263
13		18 41.8	7.4	−26 25	4	0.266
21		18 34.4	6.3	−26 29	— 1	0.272
29		18 28.1		−26 28		(0.453)

(742) [1913 QU] 12.2 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 27		19 5.7	7.4	−32 55	38	(0.454)
Juli 5	6	18 58.3	7.7	−33 33	31	0.263
13		18 50.6	7.3	−34 4	22	0.263
21		18 43.3	6.3	−34 26	15	0.268
29		18 37.0	5.0	−34 41	5	0.275
Aug. 6		18 32.0		−34 46		(0.448)

(378) Holmia 12.6 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 27		19 8.0	7.1	−14 17	5	(0.450)
Juli 5	6	19 0.9	7.2	−14 12	1	0.256
13		18 53.7	6.8	−14 11	— 3	0.254
21		18 46.9	6.1	−14 14	6	0.257
29		18 40.8	4.9	−14 20	10	0.264
Aug. 6		18 35.9		−14 30		(0.442)

(681) Gorgo 13.8 1909

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 27		19 8.0	5.9	− 3 46	10	(0.455)
Juli 5	6	19 2.1	6.1	− 3 56	21	0.272
13		18 56.0	5.8	− 4 17	30	0.272
21		18 50.2	5.1	− 4 47	38	0.276
29		18 45.1	4.0	− 5 25	43	0.283
Aug. 6		18 41.1		− 6 8		(0.455)

(563) Suleika 11.8 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 27		19 11.2	7.7	−27 9	33	(0.490)
Juli 5	6	19 3.5	8.0	−27 42	31	0.315
13		18 55.5	7.8	−28 13	26	0.315
21		18 47.7	7.0	−28 39	21	0.316
29		18 40.7	5.7	−29 0	15	0.322
Aug. 6		18 35.0		−29 15		(0.479)

(303) Josephina 12.2 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 27		19 10.8	7.1	−31 26	8	(0.513)
Juli 5	7	19 3.7	7.3	−31 34	1	0.352
13		18 56.4	6.8	−31 35	— 4	0.352
21		18 49.6	6.2	−31 31	10	0.356
29		18 43.4	5.1	−31 21	14	0.363
Aug. 6		18 38.3		−31 7		(0.510)

(157) Dejanira 16.7 1908

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 27		19h 13.2m	8.4	−34° 0′	36	(0.490)
Juli 5	7	19 4.8	8.6	−34 36	26	0.320
13		18 56.2	8.2	−35 2	17	0.322
21		18 48.0	7.3	−35 19	9	0.328
29		18 40.7	6.0	−35 28	1	0.337
Aug. 6		18 34.7		−35 29		(0.491)

(190) Ismene 12.8 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 27		19 9.3	5.0	−14 58	8	(0.663)
Juli 5	7	19 4.3	5.0	−15 6	10	0.555
13		18 59.3	4.9	−15 16	11	0.556
21		18 54.4	4.5	−15 27	13	0.558
29		18 49.9	3.8	−15 40	14	0.563
Aug. 6		18 46.1		−15 54		(0.662)

(738) [1913 *QO*] 13.6 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 27		19 15.3	6.6	−19 46	18	(0.491)
Juli 5	8	19 8.7	6.7	−20 4	18	0.319
13		19 2.0	6.4	−20 22	17	0.320
21		18 55.6	5.7	−20 39	17	0.325
29		18 49.9	4.7	−20 56	15	0.333
Aug. 6		18 45.2		−21 11		(0.493)

(118) Peitho 11.6 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 27		19 20.1	8.6	−32 12	32	(0.445)
Juli 5	8	19 11.5	8.9	−32 44	23	0.250
13		19 2.6	8.7	−33 7	14	0.249
21		18 53.9	7.8	−33 21	5	0.253
29		18 46.1	6.4	−33 26	4	0.261
Aug. 6		18 39.7		−33 22		(0.440)

(335) Roberta 10.3 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 27		19 22.0	6.5	−14 54	29	(0.307)
Juli 5	9	19 15.5	6.8	−15 23	36	0.007
13		19 8.7	6.6	−15 59	40	0.006
21		19 2.1	5.5	−16 39	42	0.012
29		18 56.6	3.8	−17 21	42	0.023
Aug. 6		18 52.8		−18 3		(0.308)

(538) Friederike 12.8 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 27		19 32.0	5.9	−15 54	22	(0.475)
Juli 5	11	19 26.1	6.4	−16 16	25	0.294
13		19 19.7	6.3	−16 41	27	0.289
21		19 13.4	6.0	−17 8	29	0.289
29		19 7.4	5.2	−17 37	29	0.293
Aug. 6		19 2.2		−18 6		(0.464)

(9) Metis 9.4 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 27		19h 34.1m	7.9	−27° 4′	36	(0.419)
Juli 5	11	19 26.2	8.6	−27 40	31	0.206
13		19 17.6	8.7	−28 11	24	0.204
21		19 8.9	7.8	−28 35	17	0.206
29		19 1.1	6.5	−28 52	11	0.213
Aug. 6		18 54.6		−29 3		(0.413)

(267) Tirza 13.4 1909

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 27		19 34.3	6.9	−26 49	37	(0.399)
Juli 5	11	19 27.4	7.4	−27 26	33	0.176
13		19 20.0	7.3	−27 59	27	0.176
21		19 12.7	6.7	−28 26	20	0.180
29		19 6.0	5.3	−28 46	13	0.190
Aug. 6		19 0.7		−28 59		(0.402)

(78) Diana 11.6 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 27		19 36.8	8.0	−31 12	10	(0.494)
Juli 5	11	19 28.8	8.4	−31 22	4	0.327
13		19 20.4	8.2	−31 26	2	0.327
21		19 12.2	7.6	−31 24	9	0.331
29		19 4.6	6.5	−31 15	15	0.339
Aug. 6		18 58.1		−31 0		(0.497)

(317) Roxane 11.7 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 27		19 37.5	7.4	−19 11	21	(0.334)
Juli 5	12	19 30.1	8.0	−19 32	22	0.057
13		19 22.1	8.1	−19 54	23	0.053
21		19 14.0	7.3	−20 17	22	0.054
29		19 6.7	5.8	−20 39	19	0.062
Aug. 6		19 0.9		−20 58		(0.328)

*(**511**) Davida 10.3 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 27		19 36.1	6.0	−21 7	37	(0.562)
Juli 5	12	19 30.1	6.4	−21 44	37	0.421
13		19 23.7	6.4	−22 21	36	0.418
21		19 17.3	6.1	−22 57	34	0.419
29		19 11.2	5.5	−23 31	31	0.423
Aug. 6		19 5.7		−24 2		(0.558)

(723) Hammonia 13.4 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 27		19 36.8	6.0	−15 25	15	(0.488)
Juli 5	12	19 30.8	6.6	−15 40	19	0.315
13		19 24.2	6.6	−15 59	21	0.313
21		19 17.6	6.0	−16 20	23	0.314
29		19 11.6	5.4	−16 43	24	0.318
Aug. 6		19 6.2		−17 7		(0.485)

(212) Medea 12.5 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 27		19h 38m.3	6.4	−24° 27′	9	(0.520)
Juli 5	12	19 31.9	6.8	−24 36	8	0.361
13		19 25.1	6.9	−24 44	5	0.358
21		19 18.2	6.5	−24 49	2	0.359
29		19 11.7	5.6	−24 51	1	0.363
Aug. 6		19 6.1		−24 50		(0.515)

(131) Vala 12.0 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juni 27		19 41.1	7.6	−26 57	37	(0.371)
Juli 5	12	19 33.5	8.3	−27 34	33	0.129
13		19 25.2	8.3	−28 7	26	0.129
21		19 16.9	7.4	−28 33	18	0.135
29		19 9.5	6.1	−28 51	9	0.145
Aug. 6		19 3.4		−29 0		(0.376)

(430) Hybris 13.8 1897

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 5		19 36.0	7.0	− 7 30	11	(0.507)
13	13	19 29.0	7.1	− 7 19	4	0.343
21		19 21.9	6.8	− 7 15	1	0.341
29		19 15.1	6.2	− 7 16	7	0.342
Aug. 6		19 8.9	5.2	− 7 23	11	0.347
14		19 3.7		− 7 34		(0.496)

(413) Edburga 10.6 1896

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 5		19 38.1	7.4	−23 10	139	(0.304)
13	13	19 30.7	8.2	−25 29	141	9.987
21		19 22.5	8.1	−27 50	135	9.979
29		19 14.4	6.9	−30 5	122	9.977
Aug. 6		19 7.5	5.0	−32 7	107	9.983
14		19 2.5		−33 54		(0.275)

(487) Venetia 11.9 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 5		19 41.8	7.1	−19 49	46	(0.433)
13	14	19 34.7	7.4	−20 35	47	0.226
21		19 27.3	7.1	−21 22	45	0.226
29		19 20.2	6.2	−22 7	41	0.230
Aug. 6		19 14.0	4.9	−22 48	36	0.238
14		19 9.1		−23 24		(0.427)

(711) Marmulla 11.6 1912

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 5		19 43.3	8.1	−34 34	6	(0.256)
13	14	19 35.2	8.4	−34 40	12	9.901
21		19 26.8	7.3	−34 28	27	9.903
29		19 19.5	5.4	−34 1	41	9.913
Aug. 6		19 14.1	2.6	−33 20	54	9.928
14		19 11.5		−32 26		(0.256)

(227) Philosophia 12.1 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 5		19h 49m.8	7.7	−30° 55′	1	(0.439)
13	16	19 42.1	7.6	−30 54	8	0.245
21		19 34.5	7.2	−30 46	15	0.250
29		19 27.3	6.0	−30 31	22	0.259
Aug. 6		19 21.3	4.8	−30 9	26	0.271
14		19 16.5		−29 43		(0.451)

(60) Echo 12.0 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 5		19 53.3	7.7	−15 21	19	(0.450)
13	16	19 45.6	7.9	−15 40	21	0.256
21		19 37.7	7.6	−16 1	23	0.255
29		19 30.1	7.0	−16 24	23	0.258
Aug. 6		19 23.1	5.8	−16 47	23	0.266
14		19 17.3		−17 10		(0.446)

(8) Flora 8.9 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 5		20 2.7	7.7	−20 37	49	(0.348)
13	19	19 55.0	8.6	−21 26	51	0.079
21		19 46.4	8.5	−22 17	48	0.073
29		19 37.9	7.7	−23 5	43	0.073
Aug. 6		19 30.2	6.3	−23 48	35	0.079
14		19 23.9		−24 23		(0.333)

(200) Dynamene 11.5 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 5		20 7.1	7.4	−26 7	10	(0.455)
13	19	19 59.7	8.0	−26 17	6	0.263
21		19 51.7	7.8	−26 23	2	0.260
29		19 43.9	7.3	−26 25	4	0.261
Aug. 6		19 36.6	6.2	−26 21	10	0.266
14		19 30.4		−26 11		(0.447)

(720) [1911 *MW*] 12.9 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 5		20 8.5	6.8	−23 51	24	(0.453)
13	20	20 1.7	7.2	−24 15	21	0.262
21		19 54.5	7.0	−24 36	18	0.261
29		19 47.5	6.6	−24 54	13	0.265
Aug. 6		19 40.9	5.4	−25 7	7	0.272
14		19 35.5		−25 14		(0.454)

(745) [1913 *QX*] 14.0 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 13		20 18.9	5.8	−16 57	41	(0.548)
21	24	20 13.1	6.0	−17 38	41	0.401
29		20 7.1	5.8	−18 19	41	0.402
Aug. 6		20 1.3	5.2	−19 0	38	0.406
14		19 56.1	4.4	−19 38	36	0.413
22		19 51.7		−20 14		(0.549)

(613) Ginevra 13.2 1913

1915	Opp.	α_{1910}	Δα	δ_{1910}	Δδ	(log r) log Δ
Juli 13		20h 25.9m	7.3	−29° 24′	17	(0.475)
21	25	20 18.6	7.6	−29 41	10	0.296
29		20 11.0	7.3	−29 51	4	0.297
Aug. 6		20 3.7	6.5	−29 55	4	0.301
14		19 57.2	5.4	−29 51	12	0.308
22		19 51.8		−29 39		(0.472)

(20) Massalia 9.8 1914

1915	Opp.	α_{1910}	Δα	δ_{1910}	Δδ	(log r) log Δ
Juli 13		20 27.2	7.5	−18 3	25	(0.436)
21	25	20 19.7	8.0	−18 28	26	0.234
29		20 11.7	7.8	−18 54	24	0.233
Aug. 6		20 3.9	7.0	−19 18	22	0.236
14		19 56.9	5.8	−19 40	18	0.244
22		19 51.1		−19 58		(0.432)

(534) Nassovia 13.2 1913

1915	Opp.	α_{1910}	Δα	δ_{1910}	Δδ	(log r) log Δ
Juli 13		20 26.1	6.5	−21 24	31	(0.490)
21	25	20 19.6	6.9	−21 55	28	0.316
29		20 12.7	6.8	−22 23	26	0.315
Aug. 6		20 5.9	6.1	−22 49	21	0.318
14		19 59.8	5.1	−23 10	17	0.324
22		19 54.7		−23 27		(0.486)

(64) Angelina 11.1 1914

1915	Opp.	α_{1910}	Δα	δ_{1910}	Δδ	(log r) log Δ
Juli 13		20 30.5	7.0	−19 23	20	(0.480)
21	26	20 23.5	7.3	−19 43	21	0.303
29		20 16.2	7.2	−20 4	19	0.303
Aug. 6		20 9.0	6.5	−20 23	16	0.307
14		20 2.5	5.4	−20 39	12	0.314
22		19 57.1		−20 51		(0.480)

(186) Celuta 10.6 1914

1915	Opp.	α_{1910}	Δα	δ_{1910}	Δδ	(log r) log Δ
Juli 13		20 41.1	9.3	−44 10	32	(0.303)
21	27	20 31.8	10.1	−44 42	4	0.031
29		20 21.7	9.7	−44 46	22	0.031
Aug. 6		20 12.0	8.3	−44 24	45	0.044
14		20 3.7	6.0	−43 39	65	0.058
22		19 57.7		−42 34		(0.305)

(658) Asteria 13.7 1908

1915	Opp.	α_{1910}	Δα	δ_{1910}	Δδ	(log r) log Δ
Juli 13		20 34.7	6.5	−20 35	23	(0.467)
21	27	20 28.2	7.0	−20 58	21	0.282
29		20 21.2	7.0	−21 19	19	0.281
Aug. 6		20 14.2	6.3	−21 38	15	0.283
14		20 7.9	5.4	−21 53	10	0.290
22		20 2.5		−22 3		(0.464)

(305) Gordonia 13.3 1913

1915	Opp.	α_{1910}	Δα	δ_{1910}	Δδ	(log r) log Δ
Juli 13		20h 35.2m	5.7	−12° 26′	18	(0.561)
21	27	20 29.5	6.1	−12 44	20	0.420
29		20 23.4	6.1	−13 4	24	0.419
Aug. 6		20 17.3	5.7	−13 28	24	0.419
14		20 11.6	5.1	−13 52	25	0.423
22		20 6.5		−14 17		(0.557)

(458) Hercynia 12.9 1914

1915	Opp.	α_{1910}	Δα	δ_{1910}	Δδ	(log r) log Δ
Juli 13		20 36.6	6.0	−13 52	46	(0.481)
21	27	20 30.6	6.5	−14 38	51	0.300
29		20 24.1	6.5	−15 29	53	0.295
Aug. 6		20 17.6	6.2	−16 22	52	0.293
14		20 11.4	5.4	−17 14	50	0.295
22		20 6.0		−18 4		(0.466)

(448) Natalie 12.5 1910

1915	Opp.	α_{1910}	Δα	δ_{1910}	Δδ	(log r) log Δ
Juli 13		20 40.7	6.9	−38 49	41	(0.426)
21	23	20 33.8	7.5	−39 30	28	0.227
29		20 26.3	7.6	−39 58	14	0.226
Aug. 6		20 18.7	6.8	−40 12	2	0.229
14		20 11.9	5.5	−40 10	17	0.236
22		20 6.4		−39 53		(0.421)

(661) Cloelia 12.9 1913

1915	Opp.	α_{1910}	Δα	δ_{1910}	Δδ	(log r) log Δ
Juli 13		20 41.6	6.9	−26 38	13	(0.496)
21	28	20 34.7	7.2	−26 51	8	0.329
29		20 27.5	7.3	−26 59	2	0.328
Aug. 6		20 20.2	6.7	−27 1	3	0.331
14		20 13.5	5.8	−26 58	9	0.338
22		20 7.7		−26 49		(0.497)

(499) Venusia 13.7 1911

1915	Opp.	α_{1910}	Δα	δ_{1910}	Δδ	(log r) log Δ
Juli 13		20 38.5	4.8	−16 29	16	(0.661)
21	28	20 33.7	5.0	−16 45	16	0.552
29		20 28.7	5.1	−17 1	17	0.550
Aug. 6		20 23.6	4.9	−17 18	16	0.550
14		20 18.7	4.4	−17 34	15	0.553
22		20 14.3		−17 49		(0.657)

(391) Ingeborg 11.8 1908

1915	Opp.	α_{1910}	Δα	δ_{1910}	Δδ	(log r) log Δ
Juli 13		20 38.5	4.5	+28 59	89	(0.250)
21	28	20 34.0	5.4	+30 28	52	9.971
29		20 28.6	5.8	+31 20	11	9.954
Aug. 6		20 22.8	5.4	+31 31	33	9.939
14		20 17.4	4.1	+30 58	78	9.928
22		20 13.3		+29 40		(0.224)

(214) Aschera 12.3 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juli 13	20ʰ 43.1ᵐ	7.2	−21° 57′	21	(0.431)
21	[28] 20 35.9	7.6	−22 18	19	0.228
29	20 28.3	7.6	−22 37	16	0.226
Aug. 6	20 20.7	7.1	−22 53	11	0.229
14	20 13.6	5.9	−23 4	5	0.237
22	20 7.7		−23 9		(0.431)

(580) Selene 13.8 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juli 21	20 39.2	6.1	−20 42	30	(0.519)
29	[29] 20 33.1	6.2	−21 12	28	0.358
Aug. 6	20 26.9	6.1	−21 40	25	0.358
14	20 20.8	5.3	−22 5	21	0.361
22	20 15.5	4.3	−22 26	15	0.368
30	20 11.2		−22 41		(0.512)

(293) Brasilia 13.4 1890

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juli 21	20 49.4	7.7	−38 30	43	(0.501)
29	[31] 20 41.7	7.9	−39 13	30	0.344
Aug. 6	20 33.8	7.5	−39 43	18	0.348
14	20 26.3	6.6	−40 1	5	0.355
22	20 19.7	5.4	−40 6	8	0.365
30	20 14.3		−39 58		(0.504)

(83) Beatrix 11.5 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juli 21	20 52.4	8.1	−26 12	31	(0.397)
29	[31] 20 44.3	8.3	−26 43	23	0.174
Aug. 6	20 36.0	7.8	−27 6	14	0.179
14	20 28.2	6.7	−27 20	5	0.188
22	20 21.5	5.0	−27 25	5	0.201
30	20 16.5		−27 20		(0.403)

(115) Thyra 10.2 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juli 21	20 59.0	8.8	−18 13	10	(0.372)
29	[2] 20 50.2	9.3	−18 3	13	0.121
Aug. 6	20 40.9	9.1	−17 50	15	0.116
14	20 31.8	8.1	−17 35	18	0.116
22	20 23.7	6.8	−17 17	20	0.122
30	20 16.9		−16 57		(0.355)

(573) Recha 12.8 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juli 21	20 57.1	7.2	−27 13	12	(0.456)
29	[2] 20 49.9	7.8	−27 25	4	0.265
Aug. 6	20 42.1	7.3	−27 29	3	0.265
14	20 34.8	6.5	−27 26	11	0.268
22	20 28.3	5.3	−27 15	19	0.276
30	20 23.0		−26 56		(0.450)

(257) Silesia 13.0 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juli 21	20ʰ 56.0ᵐ	6.4	−22° 52′	27	(0.510)
29	[2] 20 49.6	6.6	−23 19	24	0.345
Aug. 6	20 43.0	6.5	−23 43	20	0.344
14	20 36.5	5.9	−24 3	15	0.347
22	20 30.6	4.9	−24 18	8	0.353
30	20 25.7		−24 26		(0.503)

(401) Ottilia 12.6 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juli 21	21 14.5	5.9	−25 9	30	(0.514)
29	[6] 21 8.6	6.3	−25 39	26	0.355
Aug. 6	21 2.3	6.4	−26 5	20	0.355
14	20 55.9	5.9	−26 25	14	0.359
22	20 50.0	5.0	−26 39	6	0.366
30	20 45.0		−26 45		(0.516)

(786) [1914 *UO*] 12.9 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juli 21	21 15.4	6.2	−29 9	57	(0.493)
29	[6] 21 9.2	6.5	−30 6	50	0.328
Aug. 6	21 2.7	6.5	−30 56	41	0.331
14	20 56.2	6.1	−31 37	31	0.337
22	20 50.1	5.1	−32 8	19	0.347
30	20 45.0		−32 27		(0.501)

(468) Lina 12.1 1907

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juli 21	21 15.3	5.6	−16 43	27	(0.408)
29	[6] 21 9.7	6.3	−17 10	26	0.206
Aug. 6	21 3.4	6.3	−17 36	26	0.202
14	20 57.1	5.9	−18 2	23	0.201
22	20 51.2	5.0	−18 25	18	0.205
30	20 46.2		−18 43		(0.409)

(355) Gabriella 13.4 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juli 21	21 18.7	7.1	−20 34	27	(0.436)
29	[6] 21 11.6	7.8	−21 1	24	0.234
Aug. 6	21 3.8	7.8	−21 25	21	0.231
14	20 56.0	7.3	−21 46	15	0.232
22	20 48.7	6.4	−22 1	7	0.238
30	20 42.3		−22 8		(0.430)

(607) Jenny 12.7 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juli 21	21 18.0	6.6	− 8 45	6	(0.458)
29	[6] 21 11.4	6.9	− 8 39	5	0.275
Aug. 6	21 4.5	7.0	− 8 44	10	0.273
14	20 57.5	6.6	− 8 54	13	0.276
22	20 50.9	5.7	− 9 7	13	0.283
30	20 45.2		− 9 20		(0.463)

(145) Adeona 12.1 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 29		21h 15.0m	7.5	−31° 35′	49	(0.485)
Aug. 6	7	21 7.5	7.6	−32 24	38	0.314
14		20 59.9	7.2	−33 2	27	0.317
22		20 52.7	6.3	−33 29	16	0.324
30		20 46.4	5.0	−33 45	3	0.333
Sept. 7		20 41.4		−33 48		(0.482)

(308) Polyxo 10.8 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 29		21 20.8	6.4	−10 5	37	(0.424)
Aug. 6	9	21 14.4	6.6	−10 42	41	0.216
14		21 7.8	6.2	−11 23	41	0.217
22		21 1.6	5.4	−12 4	39	0.222
30		20 56.2	4.3	−12 43	36	0.231
Sept. 7		20 51.9		−13 19		(0.425)

(17) Thetis 9.5 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 29		21 24.1	7.0	−16 39	58	(0.349)
Aug. 6	9	21 17.1	7.0	−17 37	57	0.090
14		21 10.1	6.5	−18 34	52	0.095
22		21 3.6	5.5	−19 26	43	0.105
30		20 58.1	3.8	−20 9	31	0.119
Sept. 7		20 54.3		−20 40		(0.358)

(211) Isolda 11.7 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 29		21 27.0	6.1	−10 30	21	(0.508)
Aug. 6	10	21 20.9	6.4	−10 51	24	0.343
14		21 14.5	6.2	−11 15	25	0.341
22		21 8.3	5.8	−11 40	25	0.342
30		21 2.5	4.9	−12 5	23	0.346
Sept. 7		20 57.6		−12 28		(0.500)

(509) Iolanda 11.2 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 29		21 26.6	5.5	+ 8 46	15	(0.458)
Aug. 6	10	21 21.1	5.9	+ 8 31	29	0.282
14		21 15.2	5.7	+ 8 2	42	0.278
22		21 9.5	5.2	+ 7 20	53	0.278
30		21 4.3	4.3	+ 6 27	60	0.281
Sept. 7		21 0.0		+ 5 27		(0.453)

(756) [1908 *DC*] 14.3 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 29		21 26.5	5.4	+11 55	23	(0.534)
Aug. 6	10	21 21.1	5.5	+11 32	35	0.398
14		21 15.6	5.3	+10 57	45	0.397
22		21 10.3	4.9	+10 12	54	0.398
30		21 5.4	4.2	+ 9 18	61	0.402
Sept. 7		21 1.2		+ 8 17		(0.538)

(594) Mireille 14.1 1906

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 29		21h 30.2m	6.9	+ 6° 26′	163	(0.344)
Aug. 6	10	21 23.3	7.1	+ 3 43	177	0.101
14		21 16.2	6.6	+ 0 46	181	0.107
22		21 9.6	5.5	− 2 15	178	0.119
30		21 4.1	4.1	− 5 13	163	0.136
Sept. 7		21 0.0		− 7 56		(0.374)

(368) Haidea 12.3 1893

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 29		21 32.8	5.5	− 0 58	15	(0.392)
Aug. 6	11	21 27.3	6.0	− 1 13	26	0.170
14		21 21.3	5.8	− 1 39	34	0.168
22		21 15.5	5.1	− 2 13	40	0.171
30		21 10.4	4.0	− 2 53	43	0.178
Sept. 7		21 6.4		− 3 36		(0.393)

(559) Nanon 12.2 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 29		21 35.2	6.4	−20 15	61	(0.425)
Aug. 6	11	21 28.8	6.8	−21 16	57	0.219
14		21 22.0	6.6	−22 13	51	0.221
22		21 15.4	5.9	−23 4	41	0.228
30		21 9.5	4.6	−23 45	30	0.238
Sept. 7		21 4.9		−24 15		(0.429)

(268) Adorea 13.0 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 29		21 44.9	5.7	−15 18	34	(0 526)
Aug. 6	11	21 29.2	6.0	−15 52	33	0.372
14		21 23.2	6.0	−16 25	31	0.373
22		21 17.2	5.6	−16 56	28	0.377
30		21 11.6	4.7	−17 24	24	0.385
Sept. 7		21 6.9		−17 48		(0.530)

(537) Pauly 12.1 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 29		21 40.3	5.0	−18 15	72	(0.372)
Aug. 6	13	21 35.3	5.5	−19 27	70	0.131
14		21 29.8	5.5	−20 37	63	0.132
22		21 24.3	4.9	−21 40	54	0.139
30		21 19.4	3.9	−22 34	42	0.150
Sept. 7		21 15.5		−23 16		(0.377)

(629) Bernardina 14.6 1907

1915		α_{1910}		δ_{1910}		(log r) log Δ
Juli 29		21 45.6	5.7	−23 44	42	(0.561)
Aug. 6	14	21 39.9	6.1	−24 26	39	0.421
14		21 33.8	6.1	−25 5	33	0.420
22		21 27.7	5.9	−25 38	27	0.423
30		21 21.8	5.2	−26 5	19	0.428
Sept. 7		21 16.6		−26 24		(0.558)

(574) Reginhild 13.9 1905

1915	α_{1910}		δ_{1910}		(log r) log Δ
Juli 29	21h 50.3m	7.9	−17° 8′	19	(0.340)
Aug. 6	(14) 21 42.4	8.9	−17 27	19	0.063
14	21 33.5	9.1	−17 46	14	0.053
22	21 24.4	8.8	−18 0	8	0.048
30	21 15.6	7.5	−18 8	0	0.049
Sept. 7	21 8.1		−18 8		(0.316)

(744) Aguntina 14.1 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 6	21 41.0	5.8	−13 11	43	(0.543)
14	(15) 21 35.2	5.6	−13 54	41	0.395
22	21 29.6	5.4	−14 35	39	0.397
30	21 24.2	4.8	−15 14	35	0.402
Sept. 7	21 19.4	3.8	−15 49	30	0.411
15	21 15.6		−16 19		(0.544)

(362) Havnia 11.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 6	21 44.4	7.9	−26 47	29	(0.414)
14	(15) 21 36.5	8.0	−27 16	19	0.202
22	21 28.5	7.3	−27 35	8	0.205
30	21 21.2	6.3	−27 43	5	0.212
Sept. 7	21 14.9	4.7	−27 38	17	0.224
15	21 10.2		−27 21		(0.411)

(372) Palma 10.9 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 6	21 48.3	7.8	−18 42	0	(0.533)
14	(15) 21 40.5	7.8	−18 42	4	0.377
22	21 32.7	7.6	−18 38	8	0.375
30	21 25.1	7.0	−18 30	13	0.377
Sept. 7	21 18.1	5.9	−18 17	16	0.381
15	21 12.2		−18 1		(0.520)

(784) [1914 *UM*] 12.4 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 6	21 48.5	7.8	−31 39	13	(0.436)
14	(16) 21 40.7	7.6	−31 52	1	0.246
22	21 33.1	7.0	−31 53	12	0.254
30	21 26.1	5.9	−31 41	24	0.266
Sept. 7	21 20.2	4.3	−31 17	34	0.280
15	21 15.9		−30 43		(0.449)

(230) Athamantis 10.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 6	21 48.1	7.0	+ 4 3	17	(0.360)
14	(16) 21 41.1	7.2	+ 3 46	32	0.114
22	21 33.9	6.9	+ 3 14	44	0.112
30	21 27.0	5.9	+ 2 30	52	0.115
Sept. 7	21 21.1	4.4	+ 1 38	56	0.122
15	21 16.7		+ 0 42		(0.356)

(369) Aëria 12.3 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 6	21h 49.1m	6.8	−28° 47′	71	(0.389)
14	(16) 21 42.3	7.0	−29 58	59	0.163
22	21 35.3	6.6	−30 57	43	0.166
30	21 28.7	5.6	−31 40	26	0.174
Sept. 7	21 23.1	4.0	−32 6	9	0.186
15	21 19.1		−32 15		(0.385)

(649) Josefa 13.2 1911

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 6	21 52.8	8.9	−32 8	28	(0.276)
14	(16) 21 43.9	9.2	−31 40	48	9.947
22	21 34.7	8.4	−30 52	68	9.947
30	21 26.3	6.5	−29 44	86	9.953
Sept. 7	21 19.8	4.0	−28 18	101	9.965
15	21 15.8		−26 37		(0.266)

(788) [1914 *UR*] 12.8 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 6	21 50.1	5.4	− 0 23	49	(0.505)
14	(16) 21 44.7	5.6	− 1 12	55	0.345
22	21 39.1	5.2	− 2 7	59	0.347
30	21 33.9	4.7	− 3 6	60	0.351
Sept. 7	21 29.2	3.9	− 4 6	59	0.359
15	21 25.3		− 5 5		(0.511)

(583) Klotilde 13.8 1908

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 6	21 59.8	5.6	− 1 19	18	(0.560)
14	(19) 21 54.2	5.8	− 1 37	25	0.422
22	21 48.4	5.7	− 2 2	28	0.421
30	21 42.7	5.3	− 2 30	31	0.422
Sept. 7	21 37.4	4.5	− 3 1	31	0.427
15	21 32.9		− 3 32		(0.560)

(740) [1913 *QS*] 13.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 6	22 4.7	5.8	−18 57	52	(0.528)
14	(20) 21 58.9	5.9	−19 49	49	0.375
22	21 53.0	5.9	−20 38	43	0.376
30	21 47.1	5.5	−21 21	36	0.380
Sept. 7	21 41.6	4.6	−21 57	29	0.388
15	21 37.0		−22 26		(0.529)

(89) Julia 9.0 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 6	22 9.0	8.2	− 4 42	53	(0.329)
14	(20) 22 0.8	9.0	− 3 49	44	0.052
22	21 51.8	9.1	− 3 5	36	0.046
30	21 42.7	8.2	− 2 29	29	0.048
Sept. 7	21 34.5	6.7	− 2 0	24	0.055
15	21 27.8		− 1 36		(0.322)

(172) Baucis 9.6 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 6	22h 14.9m	8.2	−14° 23′	9	(0.324)
14	[21] 22 6.7	8.8	−14 14	10	0.042
22	21 57.9	8.6	−14 4	13	0.041
30	21 49.3	7.7	−13 51	17	0.046
Sept. 7	21 41.6	6.1	−13 34	23	0.056
15	21 35.5		−13 11		(0.324)

(644) Cosima 12.3 1911

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 6	22 18.4	5.9	−11 39	39	(0.361)
14	[22] 22 12.5	6.7	−12 18	41	0.107
22	22 5.8	6.8	−12 59	41	0.102
30	21 59.0	6.4	−13 40	36	0.101
Sept. 7	21 52.6	5.3	−14 16	29	0.106
15	21 47.3		−14 45		(0.351)

(292) Ludovica 12.3 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 14	22 16.5	8.8	−37 11	28	(0.391)
22	[23] 22 7.7	8.8	−37 39	7	0.178
30	21 58.9	7.9	−37 46	14	0.184
Sept. 7	21 51.0	6.5	−37 32	32	0.194
15	21 44.5	4.7	−37 0	48	0.208
23	21 39.8		−36 12		(0.391)

(785) [1914 *UN*] 13.2 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 14	22 20.4	7.8	−30 27	47	(0.446)
22	[24] 22 12.6	7.8	−31 14	33	0.264
30	22 4.8	7.2	−31 47	18	0.272
Sept. 7	21 57.6	6.3	−32 5	3	0.283
15	21 51.3	4.8	−32 8	10	0.298
23	21 46.5		−31 58		(0.457)

(139) Juewa 11.7 1912/3

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 14	22 20.9	7.1	−20 12	22	(0.510)
22	[24] 22 13.8	7.2	−20 34	19	0.350
30	22 6.6	6.9	−20 53	9	0.353
Sept. 7	21 59.7	6.2	−21 2	3	0.360
15	21 53.5	5.0	−21 5	5	0.369
23	21 48.5		−21 0		(0.512)

(178) Belisana 11.8 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 14	22 22.6	7.1	−13 36	41	(0.382)
22	[25] 22 15.5	7.3	−14 17	37	0.147
30	22 8.2	6.8	−14 54	32	0.150
Sept. 7	22 1.4	5.9	−15 26	24	0.158
15	21 55.5	4.4	−15 50	14	0.171
23	21 51.1		−16 4		(0.385)

(755) [1908 *CZ*] 13.5 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 14	22h 21.0m	5.5	− 8° 1′	38	(0.520)
22	[25] 22 15.5	5.8	− 8 39	38	0.364
30	22 9.7	5.4	− 9 17	38	0.365
Sept. 7	22 4.3	4.9	− 9 55	34	0.371
15	21 59.4	4.0	−10 29	30	0.380
23	21 55.4		−10 59		(0.526)

(683) Lancia 12.7 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 14	22 22.4	6.0	+16 58	5	(0.514)
22	[25] 22 16.4	6.0	+16 53	19	0.370
30	22 10.4	6.0	+16 34	32	0.368
Sept. 7	22 4.4	5.5	+16 2	41	0.368
15	21 58.9	4.6	+15 21	49	0.372
23	21 54.3		+14 32		(0.514)

(403) Cyane 12.5 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 14	22 23.5	6.1	+ 4 15	24	(0.488)
22	[25] 22 17.4	6.4	+ 3 51	34	0.319
30	22 11.0	6.1	+ 3 17	40	0.317
Sept. 7	22 4.9	5.6	+ 2 37	44	0.319
15	21 59.3	4.6	+ 1 53	46	0.324
23	21 54.7		+ 1 7		(0.485)

(757) [1908 *EJ*] 12.6 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 14	22 27.1	8.2	−22 20	31	(0.377)
22	[25] 22 18.9	8.4	−22 51	21	0.138
30	22 10.5	8.2	−23 12	10	0.138
Sept. 7	22 2.3	7.4	−23 22	3	0.143
15	21 54.9	5.6	−23 19	17	0.153
23	21 49.3		−23 2		(0.368)

(704) Interamnia 9.6 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 14	22 25.9	6.6	+13 45	19	(0.424)
22	[25] 22 19.3	7.0	+14 4	4	0.232
30	22 12.3	6.8	+14 8	11	0.228
Sept. 7	22 5.5	6.2	+13 57	24	0.228
15	21 59.3	5.1	+13 33	33	0.230
23	21 54.2		+13 0		(0.418)

(165) Loreley 10.9 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 14	22 27.3	6.1	− 1 8	5	(0.474)
22	[26] 22 21.2	6.5	− 1 13	12	0.298
30	22 14.7	6.4	− 1 25	16	0.297
Sept. 7	22 8.3	5.9	− 1 41	19	0.303
15	22 2.4	5.0	− 2 0	20	0.309
23	21 57.4		− 2 20		(0.477)

(187) Lamberta 11.6 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 14	22ʰ 34ᵐ.9	7.8	−23° 28′	28	(0.453)
22	(27) 22 27.1	7.8	−23 56	19	0.271
30	22 19.3	7.5	−24 15	9	0.277
Sept. 7	22 11.8	6.7	−24 24	2	0.287
15	22 5.1	5.4	−24 22	14	0.300
23	21 59.7		−24 8		(0.467)

(581) Tauntonia 13.7 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 14	22ʰ 45ᵐ.8	5.5	−32° 16′	70	(0.507)
22	(30) 22 40.3	6.3	−33 26	60	0.354
30	22 34.0	6.1	−34 26	47	0.356
Sept. 7	22 27.9	5.7	−35 13	30	0.361
15	22 22.2	4.9	−35 43	16	0.369
23	22 17.3		−35 59		(0.505)

(334) Chicago 12.0 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 14	22 31.3	4.7	−11 18	34	(0.587)
22	(27) 22 26.6	4.9	−11 52	35	0.455
30	22 21.7	4.8	−12 27	33	0.455
Sept. 7	22 16.9	4.4	−13 0	30	0.458
15	22 12.5	3.8	−13 30	25	0.463
23	22 8.7		−13 55		(0.586)

(52) Europa 10.6 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 22	22 41.5	5.7	−13 6	50	(0.515)
30	(31) 22 35.8	5.8	−13 56	45	0.354
Sept. 7	22 30.0	5.4	−14 41	41	0.355
15	22 24.6	4.8	−15 22	34	0.359
23	22 19.8	4.0	−15 56	25	0.367
Okt. 1	22 15.8		−16 21		(0.510)

(23) Thalia 11.5 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 14	22 36.1	7.0	−24 40	48	(0.499)
22	(28) 22 29.1	7.3	−25 28	40	0.335
30	22 21.8	7.2	−26 8	30	0.335
Sept. 7	22 14.6	6.7	−26 38	19	0.338
15	22 7.9	5.7	−26 57	6	0.345
23	22 2.2		−27 3		(0.493)

(114) Kassandra 11.8 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 22	22 43.2	6.3	− 6 56	49	(0.484)
30	(31) 22 36.9	6.4	− 7 45	49	0.309
Sept. 7	22 30.5	6.0	− 8 34	47	0.310
15	22 24.5	5.3	− 9 21	42	0.316
23	22 19.2	4.3	−10 3	35	0.324
Okt. 1	22 14.9		−10 38		(0.483)

(743) [1913 *QV*] 12.9 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 14	22 37.1	5.9	− 0 56	32	(0.440)
22	(28) 22 31.2	6.3	− 1 28	39	0.244
30	22 24.9	6.3	− 2 7	44	0.241
Sept. 7	22 18.6	5.6	− 2 51	44	0.242
15	22 13.0	4.9	− 3 35	43	0.247
23	22 8.1		− 4 18		(0.436)

(40) Harmonia 8.9 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 22	23 7.6	6.9	−13 8	58	(0.336)
30	(5) 23 0.7	7.4	−14 6	54	0.066
Sept. 7	22 53.3	7.3	−15 0	46	0.066
15	22 46.0	6.4	−15 46	34	0.072
23	22 39.6	5.1	−16 20	16	0.084
Okt. 1	22 34.5		−16 36		(0.335)

(53) Kalypso 11.9 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 14	22 43.6	6.5	− 9 21	54	(0.448)
22	(30) 22 37.1	6.7	−10 15	54	0.252
30	22 30.4	6.7	−11 9	53	0.250
Sept. 7	22 23.7	6.4	−12 2	49	0.249
15	22 17.3	5.6	−12 51	41	0.253
23	22 11.7		−13 32		(0.436)

(385) Ilmatar 10.9 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 22	23 9.5	6.8	− 7 32	15	(0.506)
30	(6) 23 2.7	7.2	− 7 47	16	0.344
Sept. 7	22 55.5	7.0	− 8 3	14	0.343
15	22 48.5	6.6	− 8 17	11	0.347
23	22 41.9	5.6	− 8 28	6	0.354
Okt. 1	22 36.3		− 8 34		(0.507)

(585) Bilkis 13.4 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 14	22 44.7	6.3	− 2 26	52	(0.438)
22	(30) 22 38.4	6.8	− 3 18	59	0.241
30	22 31.6	6.7	− 4 17	61	0.238
Sept. 7	22 24.9	6.3	− 5 18	61	0.240
15	22 18.6	5.4	− 6 19	56	0.245
23	22 13.2		− 7 15		(0.436)

(545) Messalina 11.3 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 30	23 9.2	7.0	− 2 28	7	(0.430)
Sept. 7	(7) 23 2.2	7.0	− 2 35	8	0.230
15	22 55.2	6.2	− 2 43	7	0.235
23	22 49.0	5.4	− 2 50	6	0.244
Okt. 1	22 43.6	4.1	− 2 56	3	0.257
9	22 39.5		− 2 59		(0.439)

(206) Hersilia 12.0 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 30	23h 11.4m	6.2	− 7° 5′	51	(0.441)
Sept. 7	8 23 5.2	6.3	− 7 56	49	0.243
15	22 58.9	6.0	− 8 45	45	0.245
23	22 52.9	5.1	− 9 30	37	0.251
Okt. 1	22 47.8	3.8	−10 7	29	0.261
9	22 44.0		−10 36		(0.439)

(321) Florentina 13.1 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 30	23 12.3	6.4	− 8 50	36	(0.460)
Sept. 7	8 23 5.9	6.4	− 9 26	34	0.273
15	22 59.5	6.0	−10 0	30	0.275
23	22 53.5	5.2	−10 30	23	0.281
Okt. 1	22 48.3	4.1	−10 53	14	0.290
9	22 44.2		−11 7		(0.457)

(263) Dresda 12.9 1906

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 30	23 14.3	6.0	− 3 7	41	(0.431)
Sept. 7	9 23 8.3	6.2	− 3 48	42	0.228
15	23 2.1	5.8	− 4 30	40	0.228
23	22 56.3	5.0	− 5 10	36	0.234
Okt. 1	22 51.3	3.9	− 5 46	28	0.242
9	22 47.4		− 6 14		(0.429)

(406) Erna 12.4 1910

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 30	23 16.5	6.4	− 1 5	21	(0.378)
Sept. 7	9 23 10.1	6.4	− 1 26	25	0.141
15	23 3.7	6.1	− 1 51	25	0.142
23	22 57.6	5.1	− 2 16	24	0.148
Okt. 1	22 52.5	3.7	− 2 40	17	0.158
9	22 48.8		− 2 57		(0.378)

(273) Atropos 11.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 30	23 16.7	5.8	− 7 17	142	(0.339)
Sept. 7	9 23 10.9	5.9	− 9 39	135	0.076
15	23 5.0	5.3	−11 54	120	0.084
23	22 59.7	4.2	−13 54	101	0.099
Okt. 1	22 55.5	2.7	−15 35	79	0.118
9	22 52.8		−16 54		(0.352)

(69) Hesperia 11.0 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 30	23 17.9	5.6	+ 0 14	50	(0.507)
Sept. 7	9 23 12.3	5.7	− 0 36	54	0.342
15	23 6.6	5.5	− 1 30	54	0.340
23	23 1.1	5.0	− 2 24	53	0.342
Okt. 1	22 56.1	4.2	− 3 17	48	0.347
9	22 51.9		− 4 5		(0.499)

(420) Bertholda 12.4 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 30	23h 18.1m	5.3	+ 5° 19′	31	(0.541)
Sept. 7	10 23 12.8	5.3	+ 4 48	37	0.394
15	23 7.5	5.2	+ 4 11	39	0.393
23	23 2.3	4.7	+ 3 32	40	0.395
Okt. 1	22 57.6	3.9	+ 2 52	40	0.401
9	22 53.7		+ 2 12		(0.539)

(310) Margarita 14.1 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 30	23 20.3	6.1	+ 0 15	41	(0.484)
Sept. 7	10 23 14.2	6.4	− 0 26	44	0.310
15	23 7.8	6.0	− 1 10	44	0.311
23	23 1.8	5.4	− 1 54	42	0.316
Okt. 1	22 56.4	4.4	− 2 36	38	0.325
9	22 52.0		− 3 14		(0.486)

(37) Fides 10.0 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 30	23 23.3	6.8	− 6 13	35	(0.400)
Sept. 7	10 23 16.5	7.2	− 6 48	34	0.173
15	23 9.3	7.0	− 7 22	30	0.170
23	23 2.3	6.2	− 7 52	25	0.172
Okt. 1	22 56.1	4.9	− 8 17	20	0.179
9	22 51.2		− 8 37		(0.386)

(203) Pompeja 11.5 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 30	23 26.1	6.6	− 4 0	31	(0.422)
Sept. 7	11 23 19.5	6.8	− 4 31	32	0.212
15	23 12.7	6.6	− 5 3	30	0.212
23	23 6.1	5.8	− 5 33	26	0.216
Okt. 1	23 0.3	4.8	− 5 59	20	0.224
9	22 55.5		− 6 19		(0.418)

(790) [1912 *NW*] 12.4 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 30	23 26.3	5.5	+27 24	21	(0.500)
Sept. 7	11 23 20.8	5.7	+27 3	34	0.358
15	23 15.1	5.7	+26 29	47	0.356
23	23 9.4	5.1	+25 42	58	0.357
Okt. 1	23 4.3	4.1	+24 44	68	0.361
9	23 0.2		+23 36		(0.507)

(436) Patricia 12.5 1904

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 30	23 32.3	7.2	− 6 12	2	(0.471)
Sept. 7	12 23 25.1	7.5	− 6 10	3	0.290
15	23 17.6	7.3	− 6 7	5	0.289
23	23 10.3	6.8	− 6 2	8	0.293
Okt. 1	23 3.5	5.7	− 5 54	12	0.300
9	22 57.8		− 5 42		(0.469)

(62) Erato 12.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 30	23ʰ 32ᵐ.7	5.4	− 5° 21′	43	(0.438)
Sept. 7	$_{13}$23 27.3	6.0	− 6 4	43	0.237
15	23 21.3	5.8	− 6 47	41	0.234
23	23 15.5	5.2	− 7 28	36	0.236
Okt. 1	23 10.3	4.3	− 8 4	27	0.242
9	23 6.0		− 8 31		(0.429)

(568) Cheruskia 11.8 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 30	23 34.5	5.7	+26 59	9	(0.419)
Sept. 7	$_{13}$23 28.8	6.3	+26 50	29	0.235
15	23 22.5	6.3	+26 21	49	0.225
23	23 16.2	5.9	+25 32	66	0.221
Okt. 1	23 10.3	4.9	+24 26	80	0.218
9	23 5.4		+23 6		(0.409)

(782) [1914 *UK*] 13.3 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 30	23 40.9	7.4	−12 13	56	(0.355)
Sept. 7	$_{14}$23 33.5	8.1	−13 9	51	0.102
15	23 25.4	7.8	−14 0	40	0.103
23	23 17.6	7.1	−14 40	28	0.110
Okt. 1	23 10.5	5.6	−15 8	10	0.121
9	23 4.9		−15 18		(0.354)

(488) Kreusa 12.3 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 30	23 42.1	5.5	−18 53	44	(0.564)
Sept. 7	$_{15}$23 36.6	5.8	−19 37	39	0.428
15	23 30.8	5.8	−20 16	30	0.428
23	23 25.0	5.5	−20 46	20	0.432
Okt. 1	23 19.5	4.8	−21 6	11	0.438
9	23 14.7		−21 17		(0.561)

(31) Euphrosyne 11.2 1907

1915	α_{1910}		δ_{1910}		(log r) log Δ
Aug. 30	23 48.8	7.8	−34 16	22	(0.519)
Sept. 7	$_{15}$23 41.0	8.4	−34 38	8	0.375
15	23 32.6	8.3	−34 46	— 8	0.375
23	23 24.3	7.9	−34 38	24	0.377
Okt. 1	23 16.4	6.8	−34 14	39	0.382
9	23 9.6		−33 35		(0.508)

(358) Apollonia 12.0 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Sept. 7	23 40.4	5.9	− 1 52	50	(0.429)
15	$_{16}$23 34.5	6.1	− 2 42	51	0.223
23	23 28.4	5.7	− 3 33	48	0.222
Okt. 1	23 22.7	4.9	− 4 21	43	0.226
9	23 17.8	3.7	− 5 4	34	0.234
17	23 14.1		− 5 38		(0.420)

(637) Chrysothemis 14.6 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Sept. 7	23ʰ 41ᵐ.1	5.6	− 2° 6′	36	(0.555)
15	$_{16}$23 35.5	5.6	− 2 42	35	0.412
23	23 29.9	5.4	− 3 17	34	0.414
Okt. 1	23 24.5	4.7	− 3 51	30	0.418
9	23 19.8	4.0	− 4 21	24	0.426
17	23 15.8		− 4 45		(0.554)

(746) [1913 *QY*] 11.2 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Sept. 7	23 46.5	8.4	− 8 59	17	(0.393)
15	$_{17}$23 38.1	8.3	− 8 42	20	0.170
23	23 29.8	7.5	− 8 22	26	0.177
Okt. 1	23 22.3	6.4	− 7 56	33	0.189
9	23 15.9	4.8	− 7 23	37	0.204
17	23 11.1		− 6 46		(0.404)

(375) Ursula 10.5 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Sept. 7	23 48.4	7.2	+ 6 40	2	(0.457)
15	$_{17}$23 41.2	7.3	+ 6 42	— 4	0.272
23	23 33.9	7.0	+ 6 38	8	0.273
Okt. 1	23 26.9	6.2	+ 6 30	10	0.278
9	23 20.7	5.0	+ 6 20	10	0.287
17	23 15.7		+ 6 10		(0.460)

(604) Tekmessa 11.1 1906

1915	α_{1910}		δ_{1910}		(log r) log Δ
Sept. 7	23 48.1	6.2	− 4 22	24	(0.403)
15	$_{18}$23 41.9	6.3	− 4 46	23	0.179
23	23 35.6	6.2	− 5 9	19	0.178
Okt. 1	23 29.4	5.3	− 5 28	13	0.180
9	23 24.1	4.0	− 5 41	4	0.188
17	23 20.1		− 5 45		(0.392)

(2) Pallas 8.6 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Sept. 7	23 48.3	5.8	− 1 12	112	(0.489)
15	$_{18}$23 42.5	6.0	− 3 4	115	0.314
23	23 36.5	5.9	− 4 59	112	0.313
Okt. 1	23 30.6	5.3	− 6 51	105	0.315
9	23 25.3	4.4	− 8 36	93	0.322
17	23 20.9		−10 9		(0.477)

(469) Argentina 13.5 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Sept. 7	23 51.6	6.0	+ 5 20	19	(0.565)
15	$_{19}$23 45.6	6.1	+ 5 1	22	0.428
23	23 39.5	5.9	+ 4 39	24	0.427
Okt. 1	23 33.6	5.5	+ 4 15	24	0.430
9	23 28.1	4.6	+ 3 51	22	0.436
17	23 23.5		+ 3 29		(0.565)

(449) Hamburga 12.6 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 7		23h 57.0m	6.7	− 5° 30′	47	(0.454)
15	19	23 50.3	7.0	− 6 17	45	0.262
23		23 43.3	6.8	− 7 2	41	0.261
Okt. 1		23 36.5	6.2	− 7 43	33	0.264
9		23 30.3	5.2	− 8 16	24	0.271
17		23 25.1		− 8 40		(0.445)

(522) Helga 12.2 1912

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 7		23 57.8	5.0	− 5 49	40	(0.524)
15	20	23 52.8	5.1	− 6 29	39	0.370
23		23 47.7	5.1	− 7 8	34	0.371
Okt. 1		23 42.6	4.6	− 7 42	29	0.375
9		23 38.0	3.9	− 8 11	21	0.382
17		23 34.1		− 8 32		(0.524)

(409) Aspasia 10.9 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 7		0 0.8	6.3	+17 13	39	(0.426)
15	20	23 54.5	6.7	+16 34	54	0.232
23		23 47.8	6.5	+15 40	63	0.230
Okt. 1		23 41.3	5.8	+14 37	70	0.232
9		23 35.5	4.6	+13 27	72	0.238
17		23 30.9		+12 15		(0.430)

(18) Melpomene 7.7 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 7		23 58.7	4.3	− 8 20	119	(0.262)
15	21	23 54.4	4.8	−10 19	114	9.911
23		23 49.6	4.6	−12 13	99	9.910
Okt. 1		23 45.0	3.7	−13 52	76	9.916
9		23 41.3	2.4	−15 8	51	9.929
17		23 38.9		−15 59		(0.255)

(736) [1912 *PZ*] 11.2 1912/3

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 7		0 7.6	5.8	− 5 11	71	(0.267)
15	22	0 1.8	6.5	− 6 22	67	9.932
23		23 55.3	6.2	− 7 29	57	9.935
Okt. 1		23 49.1	5.3	− 8 26	42	9.946
9		23 43.8	3.5	− 9 8	23	9.962
17		23 40.3		− 9 31		(0.275)

(741) [1913 *QT*] 13.3 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 7		0 12.3	6.0	−11 55	53	(0.462)
15	23	0 6.3	6.5	−12 48	47	0.281
23		23 59.8	6.5	−13 35	39	0.281
Okt. 1		23 53.3	5.9	−14 14	27	0.285
9		23 47.4	5.1	−14 41	15	0.294
17		23 42.3		−14 56		(0.461)

(195) Eurykleia 12.8 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 15		0h 9.0m	6.7	− 0° 56′	26	(0.470)
23	24	0 2.3	6.7	− 1 22	25	0.288
Okt. 1		23 55.6	6.3	− 1 47	22	0.290
9		23 49.3	5.6	− 2 9	17	0.296
17		23 43.7	4.4	− 2 26	9	0.306
25		23 39.3		− 2 35		(0.467)

(218) Bianca 11.8 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 15		0 8.9	6.0	− 2 7	81	(0.452)
23	24	0 2.9	5.9	− 3 28	77	0.264
Okt. 1		23 57.0	5.5	− 4 45	71	0.269
9		23 51.5	4.6	− 5 56	61	0.278
17		23 46.9	3.5	− 6 57	49	0.291
25		23 43.4		− 7 46		(0.458)

(373) Melusina 11.9 1907

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 15		0 15.9	7.6	− 0 54	4	(0.423)
23	25	0 8.3	7.6	− 0 50	6	0.217
Okt. 1		0 0.7	7.2	− 0 44	8	0.220
9		23 53.5	6.3	− 0 36	11	0.227
17		23 47.2	4.9	− 0 25	16	0.238
25		23 42.3		− 0 9		(0.425)

(480) Hansa 11.5 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 15		0 17.6	6.1	+30 2	51	(0.419)
23	26	0 11.5	6.4	+29 11	71	0.231
Okt. 1		0 5.1	6.2	+28 0	89	0.225
9		23 58.9	5.3	+26 31	102	0.223
17		23 53.6	4.0	+24 49	109	0.226
25		23 49.6		+23 0		(0.416)

(397) Vienna 10.5 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 15		0 20.7	4.9	+21 42	66	(0.298)
23	27	0 15.8	4.9	+20 36	90	0.007
Okt. 1		0 10.9	4.6	+19 6	105	0.002
9		0 6.3	3.5	+17 21	114	0.004
17		0 2.8	1.7	+15 27	120	0.012
25		0 1.1		+13 27		(0.300)

(259) Aletheia 12.4 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 15		0 29.2	5.9	−13 37	40	(0.512)
23	29	0 23.3	6.0	−14 17	33	0.358
Okt. 1		0 17.3	5.8	−14 50	22	0.361
9		0 11.5	5.2	−15 12	12	0.368
17		0 6.3	4.4	−15 24	1	0.378
25		0 1.9		−15 25		(0.517)

(456) Abnoba 13.5 1914

1915		α_{1910} (h m)		δ_{1910}		(log r) log Δ
Sept. 15		0 37.8	5.9	+19° 3′	47	(0.490)
23		0 31.9	6.2	+18 16	58	0.330
Okt. 1	30	0 25.7	6.0	+17 18	66	0.329
9		0 19.7	5.6	+16 12	71	0.331
17		0 14.1	4.8	+15 1	71	0.337
25		0 9.3		+13 50		(0.497)

(156) Xanthippe 12.2 1914

1915		α_{1910} (h m)		δ_{1910}		(log r) log Δ
Sept. 23		0 37.9	6.4	+16° 3′	47	(0.510)
Okt. 1		0 31.5	6.3	+15 16	54	0.354
9	2	0 25.2	6.0	+14 22	56	0.356
17		0 19.2	5.2	+13 26	58	0.361
25		0 14.0	4.1	+12 28	55	0.370
Nov. 2		0 9.9		+11 33		(0.516)

(58) Concordia 11.9 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 15		0 39.6	5.9	+ 1 6	53	(0.450)
23		0 33.7	6.2	+ 0 13	54	0.261
Okt. 1	1	0 27.5	6.2	− 0 41	51	0.260
9		0 21.3	5.8	− 1 32	46	0.263
17		0 15.5	4.8	− 2 18	37	0.271
25		0 10.7		− 2 55		(0.450)

(57) Mnemosyne 10.1 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 23		0 40.3	5.2	+ 9 34	74	(0.455)
Okt. 1		0 35.1	5.3	+ 8 20	78	0.267
9	3	0 29.8	4.9	+ 7 2	79	0.266
17		0 24.9	4.2	+ 5 43	74	0.270
25		0 20.7	3.1	+ 4 29	68	0.278
Nov. 2		0 17.6		+ 3 21		(0.451)

(739) [1913 *QR*] 13.0 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 15		0 40.6	5.8	−18 6	76	(0.494)
23		0 34.8	6.1	−19 22	65	0.335
Okt. 1	1	0 28.7	6.1	−20 27	52	0.337
9		0 22.6	5.7	−21 19	37	0.343
17		0 16.9	4.8	−21 56	21	0.352
25		0 12.1		−22 17		(0.493)

(255) Oppavia 14.2 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 23		0 44.3	7.1	+ 2 51	22	(0.469)
Okt. 1		0 37.2	7.2	+ 2 29	21	0.289
9	3	0 30.0	6.9	+ 2 8	19	0.290
17		0 23.1	6.1	+ 1 49	15	0.295
25		0 17.0	4.9	+ 1 34	9	0.304
Nov. 2		0 12.1		+ 1 25		(0.467)

(162) Laurentia 12.9 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 15		0 40.3	5.8	− 0 55	31	(0.531)
23		0 34.5	6.2	− 1 26	31	0.379
Okt. 1	1	0 28.3	6.2	− 1 57	29	0.376
9		0 22.1	5.9	− 2 26	24	0.377
17		0 16.2	5.3	− 2 50	19	0.382
25		0 10.9		− 3 9		(0.525)

(95) Arethusa 10.5 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 23		0 43.0	5.6	+22 23	47	(0.418)
Okt. 1		0 37.4	5.7	+21 36	62	0.216
9	3	0 31.7	5.4	+20 34	72	0.213
17		0 26.3	4.6	+19 22	77	0.214
25		0 21.7	3.3	+18 5	77	0.220
Nov. 2		0 18.4		+16 48		(0.415)

(239) Adrastea 12.6 1900

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 23		0 34.4	5.3	+ 3 0	64	(0.364)
Okt. 1		0 29.1	5.3	+ 1 56	64	0.116
9	1	0 23.8	4.8	+ 0 52	59	0.117
17		0 19.0	3.7	− 0 7	50	0.124
25		0 15.3	2.4	− 0 57	37	0.136
Nov. 2		0 12.9		− 1 34		(0.359)

(124) Alkeste 10.5 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 23		0 49.6	6.5	+ 5 20	50	(0.435)
Okt. 1		0 43.1	6.6	+ 4 30	51	0.238
9	4	0 36.5	6.2	+ 3 39	49	0.241
17		0 30.3	5.5	+ 2 50	43	0.247
25		0 24.8	4.3	+ 2 7	35	0.258
Nov. 2		0 20.5		+ 1 32		(0.440)

(587) Hypsipyle 14.9 1906

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 23		0 42.3	10.8	+38 20	30	(0.409)
Okt. 1		0 31.5	11.2	+38 50	5	0.223
9	2	0 20.3	11.0	+38 55	19	0.217
17		0 9.3	9.8	+38 36	38	0.216
25		23 59.5	8.0	+37 58	55	0.217
Nov. 2		23 51.5		+37 3		(0.398)

(725) Amanda 12.1 1911

1915		α_{1910}		δ_{1910}		(log r) log Δ
Sept. 23		0 50.9	6.3	− 1 42	33	(0.309)
Okt. 1		0 44.6	6.7	− 2 15	29	0.014
9	5	0 37.9	6.4	− 2 44	19	0.014
17		0 31.5	5.2	− 3 3	8	0.020
25		0 26.3	3.6	− 3 11	6	0.033
Nov. 2		0 22.7		− 3 5		(0.303)

(377) Campania 11.1 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Sept. 23	0h 56m.7	5.9	+10° 14′	58	(0.400)
Okt. 1	^{6}0 50.8	6.2	+ 9 16	63	0.180
9	0 44.6	6.1	+ 8 13	65	0.178
17	0 38.5	5.3	+ 7 8	61	0.181
25	0 33.2	4.1	+ 6 7	56	0.189
Nov. 2	0 29.1		+ 5 11		(0.397)

(787) [1914 *UQ*] 12.4 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Sept. 23	0 58.6	5.7	+ 4 1	102	(0.372)
Okt. 1	^{7}0 52.9	6.0	+ 2 19	101	0.136
9	0 46.9	5.7	+ 0 38	94	0.139
17	0 41.2	4.7	− 0 56	82	0.148
25	0 36.5	3.6	− 2 18	66	0.162
Nov. 2	0 32.9		− 3 24		(0.380)

(346) Hermentaria 10.9 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Sept. 23	0 59.3	6.2	− 9 14	43	(0.402)
Okt. 1	^{7}0 53.1	6.7	− 9 57	33	0.187
9	0 46.4	6.4	−10 30	21	0.189
17	0 40.0	5.6	−10 51	7	0.196
25	0 34.4	4.5	−10 58	7	0.207
Nov. 2	0 29.9		−10 51		(0.401)

(284) Amalia 12.6 1911

1915	α_{1910}		δ_{1910}		(log r) log Δ
Sept. 23	1 5.9	7.0	+17 34	65	(0.337)
Okt. 1	^{8}0 58.9	7.3	+16 29	76	0.084
9	0 51.6	7.0	+15 13	83	0.087
17	0 44.6	6.0	+13 50	82	0.096
25	0 38.6	4.4	+12 28	76	0.111
Nov. 2	0 34.2		+11 12		(0.357)

(167) Urda 13.0 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Sept. 23	1 4.0	5.9	+ 5 21	44	(0.453)
Okt. 1	^{3}0 58.1	6.3	+ 4 37	45	0.266
9	0 51.8	6.2	+ 3 52	43	0.266
17	0 45.6	5.6	+ 3 9	39	0.270
25	0 40.0	4.6	+ 2 30	32	0.278
Nov. 2	0 35.4		+ 1 58		(0.455)

(532) Herculina 10.7 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Sept. 23	1 8.4	6.2	−17 30	50	(0.513)
Okt. 1	^{9}1 2.2	6.4	−18 20	41	0.364
9	0 55.8	6.5	−19 1	27	0.366
17	0 49.3	5.9	−19 28	13	0.371
25	0 43.4	5.0	−19 41	2	0.379
Nov. 2	0 38.4		−19 39		(0.511)

(184) Dejopeja 12.7 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Okt. 1	1h 16m.3	5.8	+ 9° 17′	33	(0.529)
9	^{12}1 10.5	6.0	+ 8 44	35	0.378
17	1 4.5	5.6	+ 8 9	33	0.378
25	0 58.9	5.0	+ 7 36	32	0.382
Nov. 2	0 53.9	4.2	+ 7 4	27	0.389
10	0 49.7		+ 6 37		(0.529)

(663) Gerlinde 13.7 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Okt. 1	1 20.3	5.7	+22 49	48	(0.545)
9	^{13}1 14.6	5.8	+22 1	58	0.403
17	1 8.8	5.7	+21 3	64	0.401
25	1 3.1	5.1	+19 59	67	0.402
Nov. 2	0 58.0	4.2	+18 52	66	0.406
10	0 53.8		+17 46		(0.542)

(26) Proserpina 10.9 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Okt. 1	1 23.2	6.9	+ 5 51	34	(0.451)
9	^{13}1 16.3	7.1	+ 5 17	34	0.262
17	1 9.2	6.7	+ 4 43	30	0.264
25	1 2.5	6.0	+ 4 13	26	0.271
Nov. 2	0 56.5	4.8	+ 3 47	18	0.281
10	0 51.7		+ 3 29		(0.454)

(44) Nysa 9.7 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Okt. 1	1 24.2	6.9	+ 2 48	53	(0.382)
9	^{13}1 17.3	7.4	+ 1 55	51	0.146
17	1 9.9	7.1	+ 1 4	45	0.144
25	1 2.8	6.3	+ 0 19	35	0.146
Nov. 2	0 56.5	5.0	− 0 16	24	0.154
10	0 51.5		− 0 40		(0.369)

(705) [1910 *KV*] 12.0 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Okt. 1	1 32.0	8.7	+23 40	28	(0.459)
9	^{14}1 23.3	9.3	+24 8	17	0.281
17	1 14.0	9.3	+24 25	6	0.278
25	1 4.7	8.5	+24 31	3	0.279
Nov. 2	0 56.2	7.4	+24 28	9	0.284
10	0 48.8		+24 19		(0.456)

(119) Althaea 10.1 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Okt. 1	1 29.7	6.3	+10 31	61	(0.375)
9	^{15}1 23.4	6.6	+ 9 30	63	0.140
17	1 16.8	6.3	+ 8 27	63	0.139
25	1 10.5	5.5	+ 7 24	58	0.144
Nov. 2	1 5.0	4.3	+ 6 26	49	0.155
10	1 0.7		+ 5 37		(0.376)

(556) Phyllis 12.3 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Okt. 1		1h 33.7m	6.8	+19° 8'	29	(0.381)
9	15	1 26.9	7.6	+18 39	42	0.150
17		1 19.3	7.5	+17 57	50	0.145
25		1 11.8	6.7	+17 7	53	0.145
Nov. 2		1 5.1	5.5	+16 14	53	0.150
10		0 59.6		+15 21		(0.373)

*(**288**) Glauke 13.6 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Okt. 1		1 36.1	6.1	+ 3 36	41	(0.523)
9	16	1 30.0	6.4	+ 2 55	40	0.370
17		1 23.6	6.3	+ 2 15	36	0.370
25		1 17.3	5.8	+ 1 39	31	0.373
Nov. 2		1 11.5	5.1	+ 1 8	24	0.380
10		1 6.4		+ 0 44		(0.523)

(225) Henrietta 12.3 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Okt. 9		1 41.3	5.5	+ 9 9	80	(0.489)
17	19	1 35.8	5.4	+ 7 49	79	0.324
25		1 30.4	4.9	+ 6 30	73	0.330
Nov. 2		1 25.5	4.2	+ 5 17	65	0.340
10		1 21.3	3.2	+ 4 12	55	0.353
18		1 18.1		+ 3 17		(0.503)

(579) Sidonia 11.4 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Okt. 9		1 46.8	6.6	— 4 56	24	(0.462)
17	20	1 40.2	6.6	— 5 20	19	0.286
25		1 33.6	6.2	— 5 39	7	0.291
Nov. 2		1 27.4	5.4	— 5 46	5	0.299
10		1 22.0	4.2	— 5 41	17	0.311
18		1 17.8		— 5 24		(0.467)

(442) Eichsfeldia 12.5 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Okt. 9		1 59.4	7.3	+ 2 18	53	(0.399)
17	22	1 52.1	7.5	+ 1 25	48	0.182
25		1 44.6	7.2	+ 0 37	39	0.184
Nov. 2		1 37.4	6.4	— 0 2	27	0.190
10		1 31.0	5.0	— 0 29	15	0.202
18		1 26.0		— 0 44		(0.400)

(14) Irene 10.5 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Okt. 9		2 0.7	6.9	— 0 40	36	(0.472)
17	23	1 53.8	7.2	— 1 16	30	0.297
25		1 46.6	7.2	— 1 46	22	0.297
Nov. 2		1 39.4	6.5	— 2 8	12	0.301
10		1 32.9	5.4	— 2 20	0	0.310
18		1 27.5		— 2 20		(0.467)

(5) Astraea 10.1 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Okt. 9		2h 0.7m	6.6	+ 4° 19'	50	(0.425)
17	23	1 54.1	7.2	+ 3 29	49	0.220
25		1 46.9	7.0	+ 2 40	43	0.216
Nov. 2		1 39.9	6.4	+ 1 57	34	0.217
10		1 33.5	5.3	+ 1 23	22	0.223
18		1 28.2		+ 1 1		(0.412)

(624) Hektor 13.3 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Okt. 9		1 57.0	4.7	+30 37	5	(0.729)
17	23	1 52.3	4.7	+30 32	9	0.646
25		1 47.6	4.7	+30 23	17	0.644
Nov. 2		1 42.9	4.5	+30 6	20	0.646
10		1 38.4	4.0	+29 46	24	0.650
18		1 34.4		+29 22		(0.728)

(265) Anna 15.2 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Okt. 9		2 18.4	10.3	+47 51	25	(0.485)
17	25	2 8.1	11.2	+48 16	4	0.348
25		1 56.9	11.4	+48 20	17	0.343
Nov. 2		1 45.5	10.7	+48 3	37	0.341
10		1 34.8	9.3	+47 26	53	0.342
18		1 25.5		+46 33		(0.486)

(164) Eva 9.3 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Okt. 17		2 11.4	10.2	—34 37	115	(0.240)
25	26	2 1.2	9.5	—32 42	155	9.953
Nov. 2		1 51.7	7.8	—30 7	188	9.964
10		1 43.9	5.6	—26 59	211	9.979
18		1 38.3	3.0	—23 28	225	9.999
26		1 35.3		—19 43		(0.258)

(253) Mathilde 12.2 1906

1915		α_{1910}		δ_{1910}		(log r) log Δ
Okt. 17		2 9.0	6.5	+ 6 49	66	(0.328)
25	26	2 2.5	6.3	+ 5 43	59	0.063
Nov. 2		1 56.2	5.5	+ 4 44	46	0.075
10		1 50.7	4.2	+ 3 58	32	0.092
18		1 46.5	2.5	+ 3 26	17	0.113
26		1 44.0		+ 3 9		(0.348)

(518) Halawe 12.7 1903

1915		α_{1910}		δ_{1910}		(log r) log Δ
Okt. 17		2 10.5	7.0	+11 55	69	(0.345)
25	26	2 3.5	6.8	+10 46	68	0.093
Nov. 2		1 56.7	6.0	+ 9 38	60	0.103
10		1 50.7	4.8	+ 8 38	49	0.117
18		1 45.9	3.0	+ 7 49	35	0.137
26		1 42.9		+ 7 14		(0.363)

(147) Protogeneia 12.4 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Okt. 17	2h 14.8m	6.1	+15° 25′	35	(0.481)
25	2 8.7	6.3	+14 50	37	0.309
Nov. 2	2 2.4	5.9	+14 13	36	0.310
10	1 56.5	5.2	+13 37	34	0.316
18	1 51.3	4.0	+13 3	29	0.324
26	1 47.3		+12 34		(0.482)

(564) Dudu 13.8 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Okt. 17	2 22.3	8.2	− 6 37	4	(0.435)
25	2 14.1	8.3	− 6 41	−8	0.251
Nov. 2	2 5.8	7.7	− 6 33	20	0.259
10	1 58.1	6.6	− 6 13	32	0.273
18	1 51.5	5.0	− 5 41	43	0.289
26	1 46.5		− 4 58		(0.452)

(789) [1914 *UU*] 14.4 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Okt. 17	2 27.6	6.7	+20 1	56	(0.454)
25	2 20.9	6.9	+19 5	61	0.272
Nov. 2	2 14.0	6.6	+18 4	64	0.274
10	2 7.4	5.8	+17 0	61	0.279
18	2 1.6	4.7	+15 59	57	0.289
26	1 56.9		+15 2		(0.462)

(279) Thule 13.9 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Okt. 17	2 31.9	4.7	+12 56	22	(0.637)
25	2 27.2	4.9	+12 34	22	0.525
Nov. 2	2 22.3	4.8	+12 12	21	0.525
10	2 17.5	4.5	+11 51	20	0.528
18	2 13.0	3.9	+11 31	16	0.533
26	2 9.1		+11 15		(0.639)

(340) Eduarda 12.3 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Okt. 17	2 36.5	6.9	+16 18	14	(0.392)
25	2 29.6	7.5	+16 4	18	0.168
Nov. 2	2 22.1	7.4	+15 46	19	0.165
10	2 14.7	6.8	+15 27	19	0.167
18	2 7.9	5.4	+15 8	15	0.174
26	2 2.5		+14 53		(0.387)

(331) Etheridgea 12.0 1905

1915	α_{1910}		δ_{1910}		(log r) log Δ
Okt. 17	2 39.5	6.6	+17 47	11	(0.442)
25	2 32.9	7.2	+17 36	16	0.252
Nov. 2	2 25.7	7.0	+17 20	19	0.252
10	2 18.7	6.4	+17 1	18	0.256
18	2 12.3	5.4	+16 43	16	0.264
26	2 6.9		+16 27		(0.446)

(465) Alekto 14.3 1908

1915	α_{1910}		δ_{1910}		(log r) log Δ
Okt. 25	2h 39.9m	6.2	+22° 6′	27	(0.571)
Nov. 2	2 33.7	6.4	+21 39	32	0.438
10	2 27.3	6.0	+21 7	33	0.439
18	2 21.3	5.4	+20 34	34	0.442
26	2 15.9	4.4	+20 0	31	0.449
Dez. 4	2 11.5		+19 29		(0.571)

(341) California 12.7 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Okt. 25	2 44.9	9.6	+17 45	12	(0.308)
Nov. 2	2 35.3	9.4	+17 33	15	0.025
10	2 25.9	8.4	+17 18	16	0.035
18	2 17.5	6.5	+17 2	13	0.051
26	2 11.0	4.5	+16 49	8	0.072
Dez. 4	2 6.5		+16 41		(0.327)

(531) Zerlina 14.8 1904

1915	α_{1910}		δ_{1910}		(log r) log Δ
Okt. 25	2 44.1	6.4	− 2 13	92	(0.507)
Nov. 2	2 37.7	6.4	− 3 45	82	0.356
10	2 31.3	6.0	− 5 7	68	0.362
18	2 25.3	5.3	− 6 15	52	0.371
26	2 20.0	4.1	− 7 7	38	0.383
Dez. 4	2 15.9		− 7 45		(0.512)

(652) Jubilatrix 12.7 1911

1915	α_{1910}		δ_{1910}		(log r) log Δ
Okt. 25	2 54.9	8.2	− 5 38	4	(0.357)
Nov. 2	2 46.7	8.3	− 5 34	21	0.123
10	2 38.4	7.8	− 5 13	37	0.128
18	2 30.6	6.7	− 4 36	53	0.138
26	2 23.9	4.9	− 3 43	66	0.153
Dez. 4	2 19.0		− 2 37		(0.364)

(791) [1914 *UV*] 13.2 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Okt. 25	2 55.7	6.2	− 9 31	33	(0.442)
Nov. 2	2 49.5	6.4	−10 4	18	0.267
10	2 43.1	6.0	−10 22	—	0.274
18	2 37.1	5.2	−10 22	17	0.284
26	2 31.9	4.1	−10 5	30	0.298
Dez. 4	2 27.8		− 9 35		(0.453)

(783) [1914 *UL*] 13.4 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Okt. 25	3 1.1	8.1	+ 1 11	46	(0.373)
Nov. 2	2 53.0	8.1	+ 0 25	34	0.149
10	2 44.9	7.4	− 0 9	20	0.158
18	2 37.5	6.4	− 0 29	5	0.172
26	2 31.1	5.0	− 0 34	−9	0.190
Dez. 4	2 26.1		− 0 25		(0.391)

(664) Judith 14.9 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Okt. 25		3ʰ 1.2ᵐ	5.8	+ 8° 27′	38	(0.558)
Nov. 2	8	2 55.4	6.0	+ 7 49	35	0.422
10		2 49.4	5.7	+ 7 14	31	0.425
18		2 43.7	5.3	+ 6 43	24	0.431
26		2 38.4	4.6	+ 6 19	18	0.439
Dez. 4		2 33.8		+ 6 1		(0.565)

(503) Evelyn 11.7 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Nov. 2		3ʰ 22.4ᵐ	7.5	+15° 10′	12	(0.386)
10	13	3 14.9	7.7	+14 58	12	0.155
18		3 7.2	7.5	+14 46	10	0.153
26		2 59.7	6.6	+14 36	5	0.156
Dez. 4		2 53.1	5.0	+14 31	1	0.163
12		2 48.1		+14 32		(0.374)

(524) Fidelio 11.6 1912

1915		α_{1910}		δ_{1910}		(log r) log Δ
Okt. 25		3 5.9	7.7	+31 33	5	(0.362)
Nov. 2	5	2 58.2	8.4	+31 28	21	0.126
10		2 49.8	7.9	+31 7	33	0.123
18		2 41.9	7.2	+30 34	43	0.125
26		2 34.7	5.5	+29 51	48	0.133
Dez. 4		2 29.2		+29 3		(0.363)

(318) Magdalena 13.0 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Nov. 2		3 20.6	5.8	+ 4 5	39	(0.484)
10	13	3 14.8	6.1	+ 3 26	32	0.316
18		3 8.7	5.7	+ 2 54	23	0.318
26		3 3.0	4.3	+ 2 31	12	0.324
Dez. 4		2 58.7	2.1	+ 2 19	0	0.333
12		2 56.6		+ 2 19		(0.481)

(154) Bertha 11.6 1912

1915		α_{1910}		δ_{1910}		(log r) log Δ
Okt. 25		3 5.5	7.2	+21 36	10	(0.536)
Nov. 2	8	2 58.3	7.7	+21 46	6	0.390
10		2 50.6	7.6	+21 52	2	0.388
18		2 43.0	7.1	+21 54	—	0.390
26		2 35.9	6.2	+21 54	2	0.395
Dez. 4		2 29.7		+21 52		(0.534)

(425) Cornelia 13.3 1908

1915		α_{1910}		δ_{1910}		(log r) log Δ
Nov. 2		3 23.3	7.0	+17 9	17	(0.477)
10	12	3 16.3	7.1	+16 52	18	0.302
18		3 9.2	6.9	+16 34	18	0.303
26		3 2.3	6.2	+16 16	16	0.307
Dez. 4		2 56.1	5.2	+16 0	12	0.314
12		2 50.9		+15 48		(0.474)

(588) Achilles 13.7 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Nov. 2		3 4.9	4.9	+30 57	16	(0.657)
10	10	3 0.0	5.0	+30 41	22	0.552
18		2 55.0	4.7	+30 19	25	0.552
26		2 50.3	4.2	+29 54	28	0.554
Dez. 4		2 46.1	3.4	+29 26	29	0.558
12		2 42.7		+28 57		(0.655)

(614) Pia 13.1 1906

1915		α_{1910}		δ_{1910}		(log r) log Δ
Nov. 2		3 23.4	6.8	+16 29	55	(0.388)
10	13	3 16.6	7.0	+15 34	55	0.162
18		3 9.6	6.5	+14 39	52	0.164
26		3 3.1	5.6	+13 47	44	0.170
Dez. 4		2 57.5	4.1	+13 3	35	0.181
12		2 53.4		+12 28		(0.387)

(210) Isabella 11.7 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Nov. 2		3 17.2	7.7	+20 25	8	(0.378)
10	12	3 9.5	7.9	+20 17	11	0.146
18		3 1.6	7.4	+20 6	13	0.148
26		2 54.2	6.2	+19 53	11	0.155
Dez. 4		2 48.0	4.4	+19 42	9	0.167
12		2 43.6		+19 33		(0.380)

(543) Charlotte 11.8 1911

1915		α_{1910}		δ_{1910}		(log r) log Δ
Nov. 2		3 24.5	7.1	+31 24	27	(0.412)
10	13	3 17.4	7.2	+30 57	39	0.208
18		3 10.2	6.9	+30 18	47	0.208
26		3 3.3	5.8	+29 31	52	0.212
Dez. 4		2 57.5	4.0	+28 39	54	0.221
12		2 53.5		+27 45		(0.415)

(665) Sabine 13.7 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Nov. 2		3 18.5	7.3	+37 18	24	(0.560)
10	12	3 11.2	7.3	+36 54	33	0.429
18		3 3.9	6.9	+36 21	42	0.429
26		2 57.0	6.0	+35 39	49	0.432
Dez. 4		2 51.0	4.9	+34 50	50	0.438
12		2 46.1		+34 0		(0.562)

(1) Ceres 7.4 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Nov. 2		3 40.1	7.3	+10 59	7	(0.446)
10	17	3 32.8	7.7	+10 52	3	0.258
18		3 25.1	7.5	+10 49	1	0.256
26		3 17.6	7.0	+10 50	6	0.258
Dez. 4		3 10.6	6.0	+10 56	13	0.265
12		3 4.6		+11 9		(0.442)

(65) Cybele 11.5 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 2	3h 41m.9	5.6	+15° 4′	23	(0.574)
10	[18] 3 36.3	5.9	+14 41	23	0.442
18	3 30.4	5.8	+14 18	21	0.442
26	3 24.6	5.5	+13 57	18	0.445
Dez. 4	3 19.1	4.7	+13 39	15	0.451
12	3 14.4		+13 24		(0.575)

(439) Ohio 12.4 1909

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 2	3 43.2	5.7	+ 6 2	72	(0.465)
10	[18] 3 37.5	6.1	+ 4 50	66	0.290
18	3 31.4	6.0	+ 3 44	57	0.290
26	3 25.4	5.4	+ 2 47	46	0.294
Dez. 4	3 20.0	4.6	+ 2 1	33	0.302
12	3 15.4		+ 1 28		(0.464)

(304) Olga 12.0 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 10	3 50.1	7.9	− 7 2	38	(0.343)
18	[20] 3 42.2	7.6	− 7 40	16	0.119
26	3 34.6	6.7	− 7 56	$\overline{7}$	0.131
Dez. 4	3 27.9	5.4	− 7 49	28	0.147
12	3 22.5	3.8	− 7 21	45	0.166
20	3 18.7		− 6 36		(0.362)

(432) Pythia 12.0 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 10	3 51.6	8.6	+ 8 54	$\overline{3}$	(0.425)
18	[20] 3 43.0	8.6	+ 8 51	3	0.228
26	3 34.4	8.1	+ 8 54	10	0.232
Dez. 4	3 26.3	7.0	+ 9 4	17	0.241
12	3 19.3	5.6	+ 9 21	24	0.254
20	3 13.7		+ 9 45		(0.430)

(557) Violetta 13.5 1909

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 10	3 53.4	8.1	+24 1	27	(0.368)
18	[20] 3 45.3	8.6	+23 34	34	0.127
26	3 36.7	7.8	+23 0	36	0.126
Dez. 4	3 28.9	6.8	+22 24	36	0.130
12	3 22.1	4.9	+21 48	32	0.140
20	3 17.2		+21 16		(0.361)

(627) Charis 13.2 1907

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 10	4 1.2	6.6	+11 2	24	(0.478)
18	[22] 3 54.6	6.9	+10 38	19	0.308
26	3 47.7	6.6	+10 19	14	0.310
Dez. 4	3 41.1	5.8	+10 5	6	0.316
12	3 35.3	4.8	+ 9 59	1	0.325
20	3 30.5		+ 9 58		(0.481)

(35) Leukothea 13.0 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 10	4h 4m.1	7.3	+31° 4′	7	(0.542)
18	[23] 3 56.8	7.7	+30 57	14	0.398
26	3 49.1	7.5	+30 43	20	0.395
Dez. 4	3 41.6	6.9	+30 23	25	0.396
12	3 34.7	5.9	+29 58	27	0.400
20	3 28.8		+29 31		(0.535)

(482) Petrina 12.3 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 10	4 5.3	6.2	+ 3 24	40	(0.510)
18	[23] 3 59.1	6.4	+ 2 44	33	0.358
26	3 52.7	6.1	+ 2 11	24	0.360
Dez. 4	3 46.6	5.6	+ 1 47	13	0.365
12	3 41.0	5.1	+ 1 34	2	0.374
20	3 35.9		+ 1 32		(0.512)

(228) Agathe 14.2 1908

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 10	4 12.2	9.7	+25 54	26	(0.312)
18	[23] 4 2.5	10.0	+25 28	34	0.038
26	3 52.5	9.2	+24 54	38	0.046
Dez. 4	3 43.3	7.6	+24 16	38	0.060
12	3 35.7	5.4	+23 38	35	0.079
20	3 30.3		+23 3		(0.335)

(552) Sigelinde 12.5 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 10	4 13.7	6.5	+26 9	25	(0.529)
18	[25] 4 7.2	6.9	+25 44	29	0.382
26	4 0.3	6.7	+25 15	34	0.380
Dez. 4	3 53.6	6.2	+24 41	33	0.382
12	3 47.4	5.3	+24 8	34	0.388
20	3 42.1		+23 34		(0.529)

(450) Brigitta 12.9 1907

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 10	4 16.3	7.8	+32 38	11	(0.449)
18	[25] 4 8.5	8.3	+32 49	2	0.268
26	4 0.2	8.2	+32 51	$\overline{8}$	0.267
Dez. 4	3 52.0	7.4	+32 43	15	0.270
12	3 44.6	6.1	+32 28	20	0.278
20	3 38.5		+32 8		(0.454)

(667) Denise 12.8 1908

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 10	4 14.0	5.8	−16 46	42	(0.443
18	[25] 4 8.2	6.3	−17 28	23	0.282)
26	4 1.9	6.1	−17 51	2	0.282
Dez. 4	3 55.8	5.6	−17 53	$\overline{21}$	0.285
12	3 50.2	4.7	−17 32	40	0.292
20	3 45.5		−16 52		(0.436)

(**140**) Siwa 11.8 1914

1915	Opp.	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 18		4h 15.0m	7.8	+17°48′	16	(0.465)
26	26	4 7.2	7.6	+17 32	14	0.290
Dez. 4		3 59.6	7.0	+17 18	12	0.296
12		3 52.6	5.9	+17 6	9	0.306
20		3 46.7	4.5	+16 57	4	0.320
28		3 42.2		+16 53		(0.477)

(**233**) Asterope 11.2 1914

1915	Opp.	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 18		4 19.3	7.6	+17 17	44	(0.410)
26	27	4 11.7	7.4	+16 33	42	0.203
Dez. 4		4 4.3	6.9	+15 51	36	0.208
12		3 57.4	5.5	+15 15	30	0.218
20		3 51.9	4.1	+14 45	22	0.232
28		3 47.8		+14 23		(0.418)

(**312**) Pierretta 13.3 1914

1915	Opp.	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 18		4 23.7	8.2	+32 44	4	(0.505)
26	28	4 15.5	8.3	+32 40	13	0.349
Dez. 4		4 7.2	8.0	+32 27	19	0.349
12		3 59.2	7.1	+32 8	24	0.354
20		3 52.1	5.4	+31 44	26	0.363
28		3 46.7		+31 18		(0.508)

(**451**) Patientia 10.3 1913

1915	Opp.	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 18		4 26.9	7.4	+10 50	15	(0.452)
26	29	4 19.5	7.4	+11 5	21	0.268
Dez. 4		4 12.1	7.2	+11 26	27	0.270
12		4 4.9	6.3	+11 53	31	0.276
20		3 58.6	5.0	+12 24	36	0.286
28		3 53.6		+13 0		(0.452)

(**657**) Gunlöd 13.9 1908

1915	Opp.	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 18		4 32.1	8.6	+34 47	25	(0.429)
26	29	4 23.5	8.8	+34 22	37	0.233
Dez. 4		4 14.7	8.5	+33 45	46	0.230
12		4 6.2	7.3	+32 59	53	0.232
20		3 58.9	5.8	+32 6	56	0.238
28		3 53.1		+31 10		(0.422)

*(**247**) Eukrate 10.2 1913

1915	Opp.	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 18		4 44.1	14.8	+62 54	69	(0.322)
26	30	4 29.3	15.7	+64 3	29	0.106
Dez. 4		4 13.6	14.8	+64 32	—9	0.107
12		3 58.8	11.9	+64 23	41	0.111
20		3 46.9	7.6	+63 42	65	0.120
28		3 39.3		+62 37		(0.330)

(**66**) Maja 11.1 1913

1915	Opp.	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 18		4h 36.3m	7.9	+26°41′	5	(0.341)
26	30	4 28.4	8.3	+26 36	11	0.086
Dez. 4		4 20.1	7.7	+26 25	16	0.087
12		4 12.4	6.5	+26 9	19	0.095
20		4 5.9	4.7	+25 50	17	0.108
28		4 1.2		+25 33		(0.347)

(**16**) Psyche 9.1 1913

1915	Opp.	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 18		4 35.6	7.1	+17 7	18	(0.419)
26	30	4 28.5	7.3	+16 49	16	0.216
Dez. 4		4 21.2	6.9	+16 33	12	0.219
12		4 14.3	6.0	+16 21	7	0.227
20		4 8.3	4.7	+16 14	2	0.238
28		4 3.6		+16 12		(0.426)

(**454**) Mathesis 12.1 1914

1915	Opp.	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 18		4 38.1	8.2	+27 28	1	(0.453)
26	1	4 29.9	8.6	+27 29	—5	0.268
Dez. 4		4 21.3	8.4	+27 24	10	0.266
12		4 12.9	7.5	+27 14	13	0.269
20		4 5.4	6.2	+27 1	14	0.276
28		3 59.2		+26 47		(0.448)

(**498**) Tokio 11.1 1914

1915	Opp.	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 18		4 40.6	8.3	+13 30	7	(0.399)
26	1	4 32.3	8.4	+13 37	11	0.189
Dez. 4		4 23.9	8.0	+13 48	15	0.195
12		4 15.9	7.0	+14 3	20	0.205
20		4 8.9	5.2	+14 23	24	0.220
28		4 3.7		+14 47		(0.415)

(**462**) Eriphyla 13.2 1913

1915	Opp.	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 18		4 44.1	7.4	+19 11	9	(0.444)
26	2	4 36.7	7.4	+19 2	9	0.256
Dez. 4		4 29.3	7.2	+18 53	8	0.257
12		4 22.1	6.6	+18 45	5	0.263
20		4 15.5	5.3	+18 40	3	0.272
28		4 10.2		+18 37		(0.449)

(**615**) Roswitha 13.2 1914

1915	Opp.	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 18		4 49.9	7.8	+25 50	7	(0.464)
26	3	4 42.1	8.2	+25 43	11	0.287
Dez. 4		4 33.9	8.1	+25 32	15	0.286
12		4 25.8	7.4	+25 17	17	0.289
20		4 18.4	6.3	+25 0	18	0.296
28		4 12.1		+24 42		(0.465)

(181) Eucharis 10.4 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 18	4h 47.0m	6.1	− 7° 14'	21	(0.399)
26	[3] 4 40.9	6.5	− 7 35	3	0.202
Dez. 4	4 34.4	6.5	− 7 38	18	0.200
12	4 27.9	5.8	− 7 20	37	0.203
20	4 22.1	4.6	− 6 43	55	0.209
28	4 17.5		− 5 48		(0.392)

(130) Elektra 9.7 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 18	4 49.5	6.4	−13 26	15	(0.408)
26	[3] 4 43.1	6.7	−13 41	7	0.232
Dez. 4	4 36.4	6.4	−13 34	28	0.235
12	4 30.0	5.8	−13 6	49	0.242
20	4 24.2	4.6	−12 17	66	0.253
28	4 19.6		−11 11		(0.419)

(287) Nephthys 10.9 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 18	4 53.9	7.7	+ 6 21	19	(0.381)
26	[3] 4 46.2	8.3	+ 6 2	8	0.161
Dez. 4	4 37.9	8.2	+ 5 54	3	0.160
12	4 29.7	7.3	+ 5 57	15	0.164
20	4 22.4	6.1	+ 6 12	27	0.174
28	4 16.3		+ 6 39		(0.382)

(240) Vanadis 11.3 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 26	4 51.8	7.6	+19 45	6	(0.328)
Dez. 4	[5] 4 44.2	7.7	+19 39	5	0.061
12	4 36.5	6.8	+19 34	3	0.066
20	4 29.7	5.2	+19 31	1	0.077
28	4 24.5	3.4	+19 32	6	0.094
36	4 21.1		+19 38		(0.335)

(153) Hilda 13.3 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 26	4 49.8	5.4	+18 31	18	(0.651)
Dez. 4	[5] 4 44.4	5.3	+18 13	17	0.544
12	4 39.1	5.1	+17 56	15	0.547
20	4 34.0	4.5	+17 41	13	0.551
28	4 29.5	3.8	+17 28	11	0.558
36	4 25.7		+17 17		(0.654)

(199) Byblis 13.2 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 26	4 52.3	6.8	+15 38	7	(0.571)
Dez. 4	[5] 4 45.5	6.8	+15 45	10	0.439
12	4 38.7	6.4	+15 55	11	0.441
20	4 32.3	5.7	+16 6	13	0.446
28	4 26.6	4.9	+16 19	16	0.454
36	4 21.7		+16 35		(0.572)

(216) Kleopatra 9.0 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 26	4h 59.7m	7.1	+ 9° 31'	67	(0.336)
Dez. 4	[6] 4 52.6	6.9	+ 8 24	54	0.084
12	4 45.7	6.2	+ 7 30	39	0.092
20	4 39.5	4.8	+ 6 51	24	0.106
28	4 34.7	3.0	+ 6 27	10	0.125
36	4 31.7		+ 6 17		(0.351)

(381) Myrrha 13.0 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 26	4 58.9	6.3	+ 8 37	3	(0.553)
Dez. 4	[6] 4 52.6	6.5	+ 8 34	3	0.418
12	4 46.1	6.1	+ 8 37	9	0.419
20	4 40.0	5.4	+ 8 46	15	0.424
28	4 34.6	4.6	+ 9 1	20	0.432
36	4 30.0		+ 9 21		(0.555)

(196) Philomela 10.5 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 26	5 1.2	7.2	+22 34	5	(0.498)
Dez. 4	[6] 4 54.0	7.3	+22 39	4	0.335
12	4 46.7	7.0	+22 43	2	0.336
20	4 39.7	6.1	+22 45	3	0.342
28	4 33.6	5.0	+22 48	2	0.350
36	4 28.6		+22 50		(0.499)

(370) Modestia 12.7 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 26	5 7.5	9.4	+31 39	34	(0.352)
Dez. 4	[7] 4 58.1	9.6	+31 5	44	0.107
12	4 48.5	8.8	+30 21	51	0.110
20	4 39.7	7.2	+29 30	54	0.119
28	4 32.5	5.2	+28 36	52	0.133
36	4 27.3		+27 44		(0.360)

(706) [1910 *KX*] 13.6 1910

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 26	5 11.6	10.0	+45 1	14	(0.404)
Dez. 4	[8] 5 1.6	10.2	+44 47	33	0.208
12	4 51.4	9.4	+44 14	48	0.211
20	4 42.0	8.0	+43 26	60	0.219
28	4 34.0	5.7	+42 26	68	0.231
36	4 28.3		+41 18		(0.418)

(354) Eleonora 9.9 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 26	5 7.9	7.0	− 3 53	5	(0.429)
Dez. 4	[8] 5 0.9	7.3	− 3 58	11	0.245
12	4 53.6	7.0	− 3 47	27	0.244
20	4 46.6	6.3	− 3 20	42	0.248
28	4 40.3	5.0	− 2 38	56	0.254
36	4 35.3		− 1 42		(0.422)

(636) Erika 12.6 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 26	5h 12.6m	8.2	+30° 27'	8	(0.471)
Dez. 4	$_{8}$5 4.4	8.3	+30 35	2	0.299
12	4 56.1	8.0	+30 37	— 4	0.302
20	4 48.1	7.0	+30 33	9	0.309
28	4 41.1	5.6	+30 24	11	0.320
36	4 35.5		+30 13		(0.481)

*(**447**) Valentine 11.9 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 26	5 14.5	7.3	+23 17	4	(0.460)
Dez. 4	$_{9}$5 7.2	7.6	+23 21	2	0.285
12	4 59.6	7.4	+23 23	1	0.285
20	4 52.2	6.6	+23 24	—	0.289
28	4 45.6	5.3	+23 24	1	0.298
36	4 40.3		+23 23		(0.462)

(690) Wratislavia 11.4 1911

1915	α_{1910}		δ_{1910}		(log r) log Δ
Nov. 26	5 26.3	7.0	+22 53	36	(0.456)
Dez. 4	$_{11}$5 19.3	7.4	+22 17	37	0.277
12	5 11.9	7.2	+21 40	37	0.278
20	5 4.7	6.3	+21 3	35	0.284
28	4 58.4	5.2	+20 28	31	0.295
36	4 53.2		+19 57		(0.466)

(496) Gryphia 12.6 1902

1915	α_{1910}		δ_{1910}		(log r) log Δ
Dez. 4	5 26.3	8.9	+17 50	24	(0.305)
12	$_{12}$5 17.4	8.9	+17 26	20	0.015
20	5 8.5	7.9	+17 6	14	0.019
28	5 0.6	6.3	+16 52	7	0.029
36	4 54.3	4.0	+16 45	0	0.044
44	4 50.3		+16 45		(0.305)

(750) [1913 *RG*] 13.4 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Dez. 4	5 28.9	8.8	+24 15	10	(0.359)
12	$_{13}$5 20.1	9.0	+24 25	7	0.111
20	5 11.1	8.4	+24 32	5	0.110
28	5 2.7	7.0	+24 37	3	0.115
36	4 55.7	5.1	+24 40	2	0.126
44	4 50.6		+24 42		(0.350)

(144) Vibilia 10.0 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Dez. 4	5 29.9	8.6	+23 28	13	(0.368)
12	$_{13}$5 21.3	8.6	+23 41	9	0.136
20	5 12.7	7.6	+23 50	8	0.144
28	5 5.1	6.2	+23 58	8	0.158
36	4 58.9	4.4	+24 6	6	0.175
44	4 54.5		+24 12		(0.386)

(647) Adelgunde 12.3 1907

1915	α_{1910}		δ_{1910}		(log r) log Δ
Dez. 4	5h 32.6m	7.9	+22° 34'	54	(0.295)
12	$_{14}$5 24.7	8.1	+21 40	53	9.996
20	5 16.6	7.2	+20 47	50	0.001
28	5 9.4	5.4	+19 57	44	0.012
36	5 4.0	3.1	+19 13	35	0.028
44	5 0.9		+18 38		(0.301)

(142) Polana 12.7 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Dez. 4	5 36.7	8.8	+25 14	10	(0.424)
12	$_{14}$5 27.9	9.0	+25 4	14	0.222
20	5 18.9	8.6	+24 50	16	0.221
28	5 10.3	7.4	+24 34	17	0.225
36	5 2.9	5.8	+24 17	17	0.233
44	4 57.1		+24 0		(0.418)

(602) Marianna 11.2 1906

1915	α_{1910}		δ_{1910}		(log r) log Δ
Dez. 4	5 43.0	10.1	+47 27	12	(0.408)
12	$_{15}$5 32.9	10.1	+47 15	32	0.217
20	5 22.8	9.1	+46 43	47	0.222
28	5 13.7	7.4	+45 56	61	0.232
36	5 6.3	5.1	+44 55	68	0.245
44	5 1.2		+43 47		(0.426)

(129) Antigone 11.2 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Dez. 4	5 45.7	6.8	+ 9 23	1	(0.535)
12	$_{16}$5 38.9	7.0	+ 9 24	7	0.390
20	5 31.9	6.8	+ 9 31	12	0.389
28	5 25.1	6.3	+ 9 43	18	0.392
36	5 18.8	5.4	+10 1	23	0.398
44	5 13.4		+10 24		(0.530)

(659) Nestor 14.7 1909

1915	α_{1910}		δ_{1910}		(log r) log Δ
Dez. 4	5 46.0	4.7	+28 53	0	(0.738)
12	$_{17}$5 41.3	4.9	+28 53	3	0.654
20	5 36.4	4.7	+28 50	5	0.654
28	5 31.7	4.4	+28 45	6	0.656
36	5 27.3	3.8	+28 39	7	0.660
44	5 23.5		+28 32		(0.741)

(315) Constantia 14.3 1891

1915	α_{1910}		δ_{1910}		(log r) log Δ
Dez. 4	5 57.9	9.1	+19 24	2	(0.363)
12	$_{18}$5 48.8	9.5	+19 22	1	0.128
20	5 39.3	9.0	+19 21	— 1	0.131
28	5 30.3	8.0	+19 22	2	0.140
36	5 22.3	6.1	+19 24	4	0.155
44	5 16.2		+19 28		(0.376)

(351) Yrsa 11.5 1912

1915		α_{1910}		δ_{1910}		(log r) log Δ
Dez. 4		5ʰ 59ᵐ.5	7.2	+18° 57′	29	(0.386)
12	19	5 52.3	8.0	+19 26	31	0.161
20		5 44.3	8.0	+19 57	33	0.156
28		5 36.3	7.4	+20 30	33	0.158
36		5 28.9	6.3	+21 3	33	0.164
44		5 22.6		+21 36		(0.379)

(256) Walpurga 13.5 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Dez. 4		5 58.4	6.1	+ 4 49	18	(0.500)
12	19	5 52.3	6.7	+ 4 31	9	0.346
20		5 45.6	6.6	+ 4 22	—	0.344
28		5 39.0	6.1	+ 4 22	10	0.346
36		5 32.9	5.3	+ 4 32	18	0.352
44		5 27.6		+ 4 50		(0.497)

(67) Asia 11.9 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Dez. 4		6 4.4	8.0	+15 24	14	(0.433)
12	19	5 56.4	8.5	+15 10	10	0.244
20		5 47.9	8.2	+15 0	5	0.245
28		5 39.7	7.6	+15 55	1	0.240
36		5 32.1	6.4	+14 54	3	0.260
44		5 25.7		+14 57		(0.442)

(555) Norma 13.1 1911

1915		α_{1910}		δ_{1910}		(log r) log Δ
Dez. 12		6 0.0	7.0	+20 35	4	(0.442)
20	20	5 53.0	7.1	+20 39	5	0.249
28		5 45.9	6.8	+20 44	5	0.249
36		5 39.1	5.6	+20 49	9	0.254
44		5 33.5	4.2	+20 58	9	0.263
52		5 29.3		+21 7		(0.437)

(137) Meliboea 12.5 1912

1915		α_{1910}		δ_{1910}		(log r) log Δ
Dez. 12		5 59.4	6.4	+ 7 2	12	(0.550)
20	20	5 53.0	6.5	+ 6 50	5	0.416
28		5 46.5	6.0	+ 6 45	1	0.420
36		5 40.5	5.3	+ 6 46	8	0.426
44		5 35.2	4.3	+ 6 54	14	0.436
52		5 30.9		+ 7 8		(0.557)

(729) [1912 *OD*] 13.2 1913

1915		α_{1910}		δ_{1910}		(log r) log Δ
Dez. 12		6 1.7	7.5	+ 6 31	28	(0.462)
20	20	5 54.2	7.6	+ 6 59	37	0.285
28		5 46.6	7.0	+ 7 36	44	0.285
36		5 39.6	6.2	+ 8 20	51	0.289
44		5 33.4	5.0	+ 9 11	57	0.296
52		5 28.4		+10 8		(0.457)

(217) Eudora 13.9 1909

1915		α_{1910}		δ_{1910}		(log r) log Δ
Dez. 12		6ʰ 2ᵐ.0	7.2	+ 9° 18′	2	(0.516)
20	21	5 54.8	7.1	+ 9 20	8	0.369
28		5 47.7	6.6	+ 9 28	14	0.374
36		5 41.1	5.8	+ 9 42	19	0.383
44		5 35.3	4.6	+10 1	23	0.394
52		5 30.7		+10 24		(0.528)

(589) Croatia 12.6 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Dez. 12		6 5.8	6.6	+ 7 41	5	(0.483)
20	22	5 59.2	6.5	+ 7 36	3	0.319
28		5 52.7	6.2	+ 7 39	11	0.321
36		5 46.5	5.4	+ 7 50	18	0.327
44		5 41.1	4.3	+ 8 8	25	0.336
52		5 36.8		+ 8 33		(0.485)

(444) Gyptis 11.2 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Dez. 12		6 10.8	7.4	+ 8 32	12	(0.442)
20	22	6 3.4	7.4	+ 8 20	2	0.259
28		5 56.0	6.8	+ 8 18	6	0.264
36		5 49.2	6.0	+ 8 24	14	0.274
44		5 43.2	4.7	+ 8 38	21	0.286
52		5 38.5		+ 8 59		(0.453)

(476) Hedwig 11.7 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Dez. 12		6 14.1	8.7	+28 40	22	(0.453)
20	23	6 5.4	8.7	+28 18	28	0.269
28		5 56.7	8.1	+27 50	31	0.270
36		5 48.6	7.2	+27 19	33	0.276
44		5 41.4	5.6	+26 46	34	0.285
52		5 35.8		+26 12		(0.454)

(160) Una 11.5 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Dez. 12		6 15.9	8.3	+29 28	7	(0.411)
20	23	6 7.6	8.5	+29 35	2	0.203
28		5 59.1	8.1	+29 37	4	0.205
36		5 51.0	6.9	+29 33	10	0.211
44		5 44.1	5.2	+29 23	13	0.222
52		5 38.9		+29 10		(0.413)

(333) Badenia 12.4 1914

1915		α_{1910}		δ_{1910}		(log r) log Δ
Dez. 12		6 24.0	7.6	+29 2	5	(0.468)
20	25	6 16.4	7.8	+29 7	—	0.295
28		6 8.6	7.5	+29 7	4	0.298
36		6 1.1	6.6	+29 3	8	0.305
44		5 54.5	5.3	+28 55	12	0.315
52		5 49.2		+28 43		(0.478)

(586) Thekla 12.6 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Dez. 12	6h 25.6m	7.1	+21° 47'	0	(0.452)
20	6 18.5	7.4	+21 47	0	0.268
28	[25] 6 11.1	7.2	+21 47	2	0.267
36	6 3.9	6.4	+21 45	1	0.271
44	5 57.5	5.4	+21 44	0	0.279
52	5 52.1		+21 44		(0.452)

(699) Hela 14.9 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Dez. 12	6 29.1	8.7	+12 27	32	(0.433)
20	6 20.4	8.8	+11 55	25	0.250
28	[25] 6 11.6	8.6	+11 30	18	0.256
36	6 3.0	7.6	+11 12	11	0.269
44	5 55.4	6.1	+11 1	5	0.285
52	5 49.3		+10 56		(0.458)

(527) Euryanthe 13.1 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Dez. 12	6 27.6	7.4	+16 10	20	(0.470)
20	6 20.2	7.9	+16 30	23	0.298
28	[25] 6 12.3	7.5	+16 53	24	0.300
36	6 4.8	6.8	+17 17	26	0.305
44	5 58.0	5.8	+17 43	28	0.314
52	5 52.2		+18 11		(0.477)

(724) Hapag 14.3 1911

1915	α_{1910}		δ_{1910}		(log r) log Δ
Dez. 12	6 32.9	7.3	+ 2 30	38	(0.282)
20	6 25.6	7.8	+ 1 52	17	9.995
28	[26] 6 17.8	7.3	+ 1 35	5	0.001
36	6 10.5	6.1	+ 1 40	24	0.013
44	6 4.4	4.2	+ 2 4	40	0.030
52	6 0.2		+ 2 44		(0.302)

(201) Penelope 12.2 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Dez. 12	6h 37.7m	7.4	+15° 22'	7	(0.451)
20	6 30.3	7.9	+15 29	11	0.273
28	[27] 6 22.4	7.7	+15 40	14	0.272
36	6 14.7	7.0	+15 54	17	0.278
44	6 7.7	6.0	+16 11	20	0.288
52	6 1.7		+16 31		(0.461)

(693) Zerbinetta 13.0 1912

1915	α_{1910}		δ_{1910}		(log r) log Δ
Dez. 12	6 41.0	8.8	+43 26	15	(0.480)
20	6 32.2	9.4	+43 41	3	0.319
28	[27] 6 22.8	9.2	+43 44	12	0.318
36	6 13.6	8.5	+43 32	24	0.320
44	6 5.1	7.0	+43 8	34	0.327
52	5 58.1		+42 34		(0.480)

(752) [1913 *RL*] 12.6 1913

1915	α_{1910}		δ_{1910}		(log r) log Δ
Dez. 12	6 45.7	7.7	+24 17	34	(0.359)
20	6 38.0	8.6	+24 51	34	0.117
28	[28] 6 29.4	8.7	+25 25	30	0.114
36	6 20.7	8.2	+25 55	25	0.116
44	6 12.5	6.7	+26 20	19	0.124
52	6 5.8		+26 39		(0.358)

(63) Ausonia 10.6 1914

1915	α_{1910}		δ_{1910}		(log r) log Δ
Dez. 20	6 50.9	9.2	+30 55	6	(0.431)
28	[31] 6 41.7	9.6	+31 1	1	0.236
36	6 32.1	9.1	+31 0	9	0.236
44	6 23.0	8.0	+30 51	15	0.242
52	6 15.0	6.3	+30 36	20	0.251
60	6 8.7		+30 16		(0.430)

(113) AMALTHEA 1915

12^h Mittl. Zeit	α_{vera}	Diff.	δ_{vera}	Diff.	log Δ	Aberr.-Zt
	h m s	s	° ′ ″	′ ″		m s
März 5	12 45 35.76	−32.30	+2 57 49.0	+7 17.4	0.094990	10 20
6	12 45 3.46	33.86	3 5 6.4	7 23.6	0.093106	10 18
7	12 44 29.60	35.38	3 12 30.0	7 29.3	0.091292	10 15
8	12 43 54.22	36.85	3 19 59.3	7 34.4	0.089551	10 13
9	12 43 17.37	−38.28	3 27 33.7	+7 38.9	0.087883	10 10
10	12 42 39.09	39.66	+3 35 12.6	7 43.0	0.086293	10 8
11	12 41 59.43	40.98	3 42 55.6	7 46.4	0.084780	10 6
12	12 41 18.45	42.24	3 50 42.0	7 49.2	0.083348	10 4
13	12 40 36.21	43.44	3 58 31.2	7 51.3	0.081998	10 2
14	12 39 52.77	−44.57	4 6 22.5	+7 52.8	0.080731	10 0
15	12 39 8.20	45.63	+4 14 15.3	7 53.6	0.079549	9 59
16	12 38 22.57	46.61	4 22 8.9	7 53.8	0.078454	9 57
17	12 37 35.96	47.54	4 30 2.7	7 53.2	0.077446	9 56
18	12 36 48.42	48.36	4 37 55.9	7 52.0	0.076528	9 54
19	12 36 0.06	−49.13	4 45 47.9	+7 50.2	0.075699	9 53
20	12 35 10.93	49.81	+4 53 38.1	7 47.6	0.074960	9 52
21	12 34 21.12	50.41	5 1 25.7	7 44.3	0.074314	9 51
22	12 33 30.71	50.93	5 9 10.0	7 40.5	0.073759	9 51
23	12 32 39.78	51.36	5 16 50.5	7 35.9	0.073298	9 50
24	12 31 48.42	−51.72	5 24 26.4	+7 30.8	0.072928	9 50
25	12 30 56.70	51.99	+5 31 57.2	7 25.0	0.072652	9 49
26	12 30 4.71	52.18	5 39 22.2	7 18.7	0.072468	9 49
27	12 29 12.53	52.29	5 46 40.9	7 11.7	0.072376	9 49
☍ 28	12 28 20.24	52.32	5 53 52.6	7 4.1	0.072378	9 49
29	12 27 27.92	−52.26	6 0 56.7	+6 56.1	0.072472	9 49
30	12 26 35.66	52.13	+6 7 52.8	6 47.4	0.072658	9 49
31	12 25 43.53	51.93	6 14 40.2	6 38.2	0.072937	9 50
April 1	12 24 51.60	51.63	6 21 18.4	6 28.6	0.073306	9 50
2	12 23 59.97	51.27	6 27 47.0	6 18.6	0.073766	9 51
3	12 23 8.70	−50.84	6 34 5.6	+6 7.9	0.074315	9 51
4	12 22 17.86	50.31	+6 40 13.5	5 56.9	0.074952	9 52
5	12 21 27.55	49.71	6 46 10.4	5 45.3	0.075677	9 53
6	12 20 37.84	49.04	6 51 55.7	5 33.3	0.076490	9 54
7	12 19 48.80	48.29	6 57 29.0	5 21.0	0.077387	9 56
8	12 19 0.51	−47.47	7 2 50.0	+5 8.2	0.078370	9 57
9	12 18 13.04	46.58	+7 7 58.2	4 55.0	0.079435	9 58
10	12 17 26.46		7 12 53.2		0.080583	10 0

Opp. in AR. März 28 Gröſse = 10.4

W. Luther

(241) GERMANIA 1915

12ʰ Mittl. Zeit	α_{vera}	Diff.	δ_{vera}	Diff.	log Δ	Aberr.-Zt
Mai 30	17ʰ 40ᵐ 20ˢ.76	−46ˢ.82	−25° 5′ 29″.3	+1′ 44″.0	0.306283	16ᵐ 49ˢ
31	17 39 33.94	47.60	25 3 45.3	1 46.6	0.305201	16 46
Juni 1	17 38 46.34	48.34	25 1 58.7	1 49.1	0.304172	16 44
2	17 37 58.00	49.03	25 0 9.6	1 51.7	0.303199	16 42
3	17 37 8.97	−49.67	24 58 17.9	+1 54.2	0.302281	16 40
4	17 36 19.30	50.26	−24 56 23.7	1 56.6	0.301420	16 38
5	17 35 29.04	50.80	24 54 27.1	1 59.2	0.300615	16 36
6	17 34 38.24	51.28	24 52 27.9	2 1.5	0.299869	16 34
7	17 33 46.96	51.70	24 50 26.4	2 4.0	0.299181	16 33
8	17 32 55.26	−52.07	24 48 22.4	+2 6.3	0.298553	16 31
9	17 32 3.19	52.37	−24 46 16.1	2 8.6	0.297984	16 30
10	17 31 10.82	52.64	24 44 7.5	2 10.8	0.297475	16 29
11	17 30 18.18	52.82	24 41 56.7	2 13.1	0.297027	16 28
12	17 29 25.36	52.96	24 39 43.6	2 15.2	0.296639	16 27
13	17 28 32.40	−53.03	24 37 28.4	+2 17.3	0.296313	16 26
☍ 14	17 27 39.37	53.04	−24 35 11.1	2 19.2	0.296048	16 25
15	17 26 46.33	52.99	24 32 51.9	2 21.1	0.295845	16 25
16	17 25 53.34	52.88	24 30 30.8	2 22.9	0.295703	16 25
17	17 25 0.46	52.72	24 28 7.9	2 24.5	0.295622	16 25
18	17 24 7.74	−52.49	24 25 43.4	+2 26.2	0.295603	16 25
19	17 23 15.25	52.21	−24 23 17.2	2 27.7	0.295645	16 25
20	17 22 23.04	51.87	24 20 49.5	2 29.0	0.295747	16 25
21	17 21 31.17	51.48	24 18 20.5	2 30.3	0.295910	16 25
22	17 20 39.69	51.02	24 15 50.2	2 31.4	0.296133	16 26
23	17 19 48.67	−50.53	24 13 18.8	+2 32.4	0.296416	16 26
24	17 18 58.14	49.97	−24 10 46.4	2 33.3	0.296758	16 27
25	17 18 8.17	49.38	24 8 13.1	2 34.1	0.297158	16 28
26	17 17 18.79	48.73	24 5 39.0	2 34.6	0.297617	16 29
27	17 16 30.06	48.04	24 3 4.4	2 35.2	0.298133	16 30
28	17 15 42.02	−47.30	24 0 29.2	+2 35.5	0.298705	16 32
29	17 14 54.72	46.52	−23 57 53.7	2 35.7	0.299334	16 33
30	17 14 8.20	45.69	23 55 18.0	2 35.7	0.300018	16 35
Juli 1	17 13 22.51	44.82	23 52 42.3	2 35.7	0.300758	16 36
2	17 12 37.69	43.90	23 50 6.6	2 35.5	0.301551	16 38
3	17 11 53.79	−42.94	23 47 31.1	+2 35.0	0.302398	16 40
4	17 11 10.85	41.94	−23 44 56.1	2 34.6	0.303298	16 42
5	17 10 28.91		23 42 21.5		0.304249	16 44

Opp. in AR. Juni 14 Gröſse = 11.1

W. Luther

(13) EGERIA 1915

12^h Mittl. Zeit	α_{vera}	Diff.	δ_{vera}	Diff.	log Δ	Aberr.-Zt
	h m s	s	° ′ ″	′ ″		m s
Juni 8	18 52 44.38	−56.22	−42 4 30.5	−7 38.0	0.264221	15 16
9	18 51 48.16	57.84	42 12 8.5	7 30.1	0.263207	15 14
10	18 50 50.32	59.40	42 19 38.6	7 21.6	0.262249	15 12
11	18 49 50.92	60.91	42 27 0.2	7 12.7	0.261347	15 10
12	18 48 50.01	−62.34	42 34 12.9	−7 3.2	0.260501	15 8
13	18 47 47.67	63.72	−42 41 16.1	6 53.4	0.259713	15 7
14	18 46 43.95	65.03	42 48 9.5	6 43.1	0.258982	15 5
15	18 45 38.92	66.26	42 54 52.6	6 32.5	0.258309	15 4
16	18 44 32.66	67.42	43 1 25.1	6 21.4	0.257697	15 2
17	18 43 25.24	−68.50	43 7 46.5	−6 9.9	0.257144	15 1
18	18 42 16.74	69.50	−43 13 56.4	5 58.3	0.256651	15 0
19	18 41 7.24	70.43	43 19 54.7	5 46.0	0.256220	14 59
20	18 39 56.81	71.26	43 25 40.7	5 33.9	0.255850	14 58
21	18 38 45.55	72.02	43 31 14.6	5 21.0	0.255543	14 58
22	18 37 33.53	−72.70	43 36 35.6	−5 8.0	0.255297	14 57
23	18 36 20.83	73.30	−43 41 43.6	4 54.6	0.255113	14 57
24	18 35 7.53	73.80	43 46 38.2	4 40.9	0.254993	14 57
25	18 33 53.73	74.22	43 51 19.1	4 27.0	0.254934	14 57
26	18 32 39.51	74.55	43 55 46.1	4 13.1	0.254938	14 57
27	18 31 24.96	−74.80	43 59 59.2	−3 58.9	0.255004	14 57
28	18 30 10.16	74.94	−44 3 58.1	3 44.7	0.255133	14 57
☍ 29	18 28 55.22	75.01	44 7 42.8	3 30.4	0.255324	14 57
30	18 27 40.21	74.98	44 11 13.2	3 16.0	0.255578	14 58
Juli 1	18 26 25.23	74.86	44 14 29.2	3 1.6	0.255893	14 59
2	18 25 10.37	−74.65	44 17 30.8	−2 47.2	0.256270	14 59
3	18 23 55.72	74.34	−44 20 18.0	2 32.7	0.256708	15 0
4	18 22 41.38	73.94	44 22 50.7	2 18.2	0.257206	15 1
5	18 21 27.44	73.46	44 25 8.9	2 3.7	0.257765	15 2
6	18 20 13.98	72.87	44 27 12.6	1 49.2	0.258384	15 4
7	18 19 1.11	−72.20	44 29 1.8	−1 34.8	0.259063	15 5
8	18 17 48.91	71.42	−44 30 36.6	1 20.4	0.259801	15 7
9	18 16 37.49	70.56	44 31 57.0	1 5.9	0.260598	15 8
10	18 15 26.93		44 33 2.9		0.261454	15 10

Opp. in AR. Juni 29 Gröfse = 10.2

H. Samter

(511) DAVIDA 1915

12h Mittl. Zeit	α vera	Diff.	δ vera	Diff.	log Δ	Aberr.-Zt
	h m s	s	° ′ ″	′ ″		m s
Juni 27	19 36 25.26	−42.93	−21 7 59.0	−4 31.7	0.42621	22 10
28	19 35 42.33	43.59	21 12 30.7	4 33.4	0.42536	22 7
29	19 34 58.74	44.20	21 17 4.1	4 34.7	0.42455	22 5
30	19 34 14.54	44.77	21 21 38.8	4 35.8	0.42379	22 3
Juli 1	19 33 29.77	−45.31	21 26 14.6	−4 36.8	0.42308	22 1
2	19 32 44.46	45.80	−21 30 51.4	4 37.7	0.42241	21 59
3	19 31 58.66	46.26	21 35 29.1	4 38.3	0.42179	21 57
4	19 31 12.40	46.69	21 40 7.4	4 38.9	0.42122	21 55
5	19 30 25.71	47.06	21 44 46.3	4 39.2	0.42069	21 53
6	19 29 38.65	−47.41	21 49 25.5	−4 39.4	0.42021	21 51
7	19 28 51.24	47.71	−21 54 4.9	4 39.4	0.41978	21 50
8	19 28 3.53	47.97	21 58 44.3	4 39.2	0.41940	21 49
9	19 27 15.56	48.20	22 3 23.5	4 38.9	0.41906	21 48
10	19 26 27.36	48.38	22 8 2.4	4 38.5	0.41878	21 48
11	19 25 38.98	−48.52	22 12 40.9	−4 37.8	0.41854	21 47
☍ 12	19 24 50.46	48.61	−22 17 18.7	4 37.1	0.41835	21 47
13	19 24 1.85	48.67	22 21 55.8	4 36.1	0.41821	21 46
14	19 23 13.18	48.67	22 26 31.9	4 35.0	0.41812	21 46
15	19 22 24.51	48.63	22 31 6.9	4 33.7	0.41808	21 46
16	19 21 35.88	−48.55	22 35 40.6	−4 32.4	0.41809	21 46
17	19 20 47.33	48.42	−22 40 13.0	4 30.8	0.41814	21 46
18	19 19 58.91	48.24	22 44 43.8	4 29.2	0.41825	21 46
19	19 19 10.67	48.03	22 49 13.0	4 27.4	0.41840	21 47
20	19 18 22.64	47.78	22 53 40.4	4 25.4	0.41861	21 47
21	19 17 34.86	−47.48	22 58 5.8	−4 23.4	0.41886	21 48
22	19 16 47.38	47.14	−23 2 29.2	4 21.3	0.41916	21 49
23	19 16 0.24	46.77	23 6 50.5	4 19.0	0.41951	21 50
24	19 15 13.47	46.36	23 11 9.5	4 16.7	0.41991	21 51
25	19 14 27.11	45.90	23 15 26.2	4 14.3	0.42035	21 52
26	19 13 41.21	−45.41	23 19 40.5	−4 11.8	0.42084	21 54
27	19 12 55.80	44.89	−23 23 52.3	4 9.1	0.42137	21 55
28	19 12 10.91	44.33	23 28 1.4	4 6.4	0.42195	21 57
29	19 11 26.58	43.73	23 32 7.8	4 3.6	0.42257	21 59
30	19 10 42.85	43.09	23 36 11.4	4 0.8	0.42324	22 1
31	19 9 59.76	−42.42	23 40 12.2	−3 57.9	0.42395	22 3
Aug. 1	19 9 17.34	41.72	−23 44 10.1	3 54.9	0.42470	22 6
2	19 8 35.62		23 48 5.0		0.42550	22 9

Opp. in AR. Juli 12 Gröſse = 10.3

W. Strehlow

(288) GLAUKE 1915

12h Mittl. Zeit		α_{vera}	Diff.	δ_{vera}	Diff.	log Δ	Aberr.-Zt
		h m s	s	° ′ ″	′ ″		m s
Okt.	1	1 36 26.73	−43.97	+3 38 14.9	−5 6.1	0.373415	19 38
	2	1 35 42.76	44.56	3 33 8.8	5 7.1	0.372773	19 36
	3	1 34 58.20	45.11	3 28 1.7	5 7.9	0.372181	19 34
	4	1 34 13.09	45.62	3 22 53.8	5 8.4	0.371643	19 33
	5	1 33 27.47	−46.08	3 17 45.4	−5 8.6	0.371158	19 32
	6	1 32 41.39	46.51	+3 12 36.8	5 8.4	0.370727	19 30
	7	1 31 54.88	46.88	3 7 28.4	5 8.1	0.370350	19 29
	8	1 31 8.00	47.21	3 2 20.3	5 7.4	0.370028	19 29
	9	1 30 20.79	47.50	2 57 12.9	5 6.4	0.369762	19 28
	10	1 29 33.29	−47.74	2 52 6.5	−5 5.1	0.369551	19 27
	11	1 28 45.55	47.93	+2 47 1.4	5 3.5	0.369397	19 27
	12	1 27 57.62	48.08	2 41 57.9	5 1.6	0.369298	19 27
	13	1 27 9.54	48.17	2 36 56.3	4 59.4	0.369256	19 26
	14	1 26 21.37	48.23	2 31 56.9	4 57.0	0.369270	19 26
	15	1 25 33.14	−48.24	2 26 59.9	−4 54.3	0.369341	19 27
	☍ 16	1 24 44.90	48.20	+2 22 5.6	4 51.2	0.369467	19 27
	17	1 23 56.70	48.11	2 17 14.4	4 48.0	0.369650	19 28
	18	1 23 8.59	47.99	2 12 26.4	4 44.5	0.369888	19 28
	19	1 22 20.60	47.82	2 7 41.9	4 40.7	0.370182	19 29
	20	1 21 32.78	−47.61	2 3 1.2	−4 36.7	0.370532	19 30
	21	1 20 45.17	47.35	+1 58 24.5	4 32.4	0.370936	19 31
	22	1 19 57.82	47.05	1 53 52.1	4 27.9	0.371395	19 32
	23	1 19 10.77	46.72	1 49 24.2	4 23.1	0.371909	19 34
	24	1 18 24.05	46.33	1 45 1.1	4 18.2	0.372476	19 35
	25	1 17 37.72	−45.91	1 40 42.9	−4 13.0	0.373097	19 37
	26	1 16 51.81	45.46	+1 36 29.9	4 7.5	0.373770	19 39
	27	1 16 6.35	44.95	1 32 22.4	4 1.9	0.374496	19 41
	28	1 15 21.40	44.41	1 28 20.5	3 56.0	0.375274	19 43
	29	1 13 36.99	43.82	1 24 24.5	3 50.0	0.376103	19 45
	30	1 13 53.17	−43.22	1 20 34.5	−3 43.6	0.376982	19 47
	31	1 13 9.95	42.55	+1 16 50.9	3 37.2	0.377911	19 50
Nov.	1	1 12 27.40	41.87	1 13 13.7	3 30.5	0.378889	19 53
	2	1 11 45.53	41.13	1 9 43.2	3 23.7	0.379915	19 55
	3	1 11 4.40	40.37	1 6 19.5	3 16.7	0.380989	19 58
	4	1 10 24.03	−39.57	1 3 2.8	−3 9.4	0.382109	20 1
	5	1 9 44.46	38.74	+0 59 53.4	3 2.1	0.383275	20 5
	6	1 9 5.72		0 56 51.3		0.384485	20 8

Opp. in AR. Oktober 16 Größe = 13.6

W. Luther

(247) EUKRATE 1915

12h Mittl. Zeit	α vera	Diff.	δ vera	Diff.	log Δ	Aberr.-Zt
	h m s	s	° ′ ″	′ ″		m s
Nov. 25	4 31 31.26	−113.51	+63 57 56.1	+6 16.4	0.105782	10 36
26	4 29 37.75	115.04	64 4 12.5	5 41.3	0.105620	10 36
27	4 27 42.71	116.32	64 9 53.8	5 5.7	0.105519	10 36
28	4 25 46.39	117.34	64 14 59.5	4 29.9	0.105478	10 35
29	4 23 49.05	−118.08	64 19 29.4	+3 53.8	0.105499	10 35
☍ 30	4 21 50.97	118.53	+64 23 23.2	3 17.6	0.105580	10 36
Dez. 1	4 19 52.44	118.68	64 26 40.8	2 41.4	0.105722	10 36
2	4 17 53.76	118.54	64 29 22.2	2 5.4	0.105925	10 36
3	4 15 55.22	118.10	64 31 27.6	1 29.4	0.106190	10 36
4	4 13 57.12	−117.34	64 32 57.0	+0 53.7	0.106516	10 37
5	4 11 59.78	116.29	+64 33 50.7	+0 18.5	0.106902	10 38
6	4 10 3.49	114.95	64 34 9.2	−0 16.4	0.107350	10 38
7	4 8 8.54	113.31	64 33 52.8	0 50.8	0.107857	10 39
8	4 6 15.23	111.41	64 33 2.0	1 24.6	0.108425	10 40
9	4 4 23.82	−109.21	64 31 37.4	−1 57.5	0.109053	10 41
10	4 2 34.61	106.79	+64 29 39.9	2 29.9	0.109739	10 42
11	4 0 47.82	104.11	64 27 10.0	3 1.3	0.110484	10 43
12	3 59 3.71	101.22	64 24 8.7	3 31.9	0.111286	10 44
13	3 57 22.49	98.13	64 20 36.8	4 1.7	0.112146	10 45
14	3 55 44.36	−94.84	64 16 35.1	−4 30.4	0.113062	10 47
15	3 54 9.52	91.40	+64 12 4.7	4 58.2	0.114034	10 48
16	3 52 38.12	87.77	64 7 6.5	5 24.9	0.115061	10 50
17	3 51 10.35	84.02	64 1 41.6	5 50.8	0.116142	10 51
18	3 49 46.33	80.14	63 55 50.8	6 15.6	0.117276	10 53
19	3 48 26.19	−76.15	63 49 35.2	−6 39.3	0.118463	10 55
20	3 47 10.04	72.06	+63 42 55.9	7 2.0	0.119701	10 57
21	3 45 57.98	67.89	63 35 53.9	7 23.6	0.120990	10 59
22	3 44 50.09	63.64	63 28 30.3	7 44.2	0.122329	11 1
23	3 43 46.45	59.35	63 20 46.1	8 3.8	0.123717	11 3
24	3 42 47.10	−55.01	63 12 42.3	−8 22.2	0.125154	11 5
25	3 41 52.09	50.63	+63 4 20.1	8 39.8	0.126638	11 7
26	3 41 1.46	46.23	62 55 40.3	8 56.3	0.128168	11 10
27	3 40 15.23	41.81	62 46 44.0	9 11.7	0.129745	11 12
28	3 39 33.42	37.39	62 37 32.3	9 26.3	0.131365	11 14
29	3 38 56.03	−32.97	62 28 6.0	−9 39.8	0.133030	11 17
30	3 38 23.06	28.55	+62 18 26.2	9 52.5	0.134738	11 20
31	3 37 54.51		62 8 33.7		0.136487	11 22

Opp. in AR. Nov. 30 Gröſse = 10.2

W. Luther

(447) VALENTINE 1915

12^h Mittl. Zeit	α_{vera}	Diff.	δ_{vera}	Diff.	log Δ	Aberr.-Zt
Nov. 23	$5^h\ 17^m\ 17^s.82$	$-49^s.67$	$+23°\ 15'\ 13''.1$	$+41''.0$	0.29117	$16^m\ 15^s$
24	5 16 28.15	50.59	23 15 54.1	39.4	0.29026	16 13
25	5 15 37.56	51.45	23 16 33.5	37.7	0.28942	16 11
26	5 14 46.11	52.27	23 17 11.2	36.0	0.28864	16 9
27	5 13 53.84	−53.02	23 17 47.2	+34.1	0.28792	16 7
28	5 13 0.82	53.73	+23 18 21.3	32.4	0.28726	16 6
29	5 12 7.09	54.36	23 18 53.7	30.6	0.28666	16 5
30	5 11 12.73	54.95	23 19 24.3	28.8	0.28613	16 3
Dez. 1	5 10 17.78	55.46	23 19 53.1	27.0	0.28566	16 2
2	5 9 22.32	−55.91	23 20 20.1	+25.1	0.28526	16 1
3	5 8 26.41	56.31	+23 20 45.2	23.4	0.28492	16 1
4	5 7 30.10	56.62	23 21 8.6	21.6	0.28465	16 0
5	5 6 33.48	56.87	23 21 30.2	19.8	0.28444	16 0
6	5 5 36.61	57.05	23 21 50.0	18.0	0.28431	15 59
7	5 4 39.56	−57.16	23 22 8.0	+16.4	0.28424	15 59
8	5 3 42.40	57.20	+23 22 24.4	14.8	0.28423	15 59
☍ 9	5 2 45.20	57.17	23 22 39.2	13.1	0.28430	15 59
10	5 1 48.03	57.06	23 22 52.3	11.5	0.28443	16 0
11	5 0 50.97	56.90	23 23 3.8	10.1	0.28463	16 0
12	4 59 54.07	−56.66	23 23 13.9	+ 8.7	0.28490	16 1
13	4 58 57.41	56.36	+23 23 22.6	7.2	0.28524	16 1
14	4 58 1.05	55.99	23 23 29.8	6.0	0.28564	16 2
15	4 57 5.06	55.56	23 23 35.8	4.8	0.28611	16 3
16	4 56 9.50	55.08	23 23 40.6	3.6	0.28664	16 4
17	4 55 14.42	−54.52	23 23 44.2	+ 2.7	0.28724	16 6
18	4 54 19.90	53.91	+23 23 46.9	1.7	0.28790	16 7
19	4 53 25.99	53.25	23 23 48.6	0.9	0.28862	16 9
20	4 52 32.74	52.52	23 23 49.5	+ 0.1	0.28941	16 11
21	4 51 40.22	51.74	23 23 49.6	− 0.5	0.29026	16 13
22	4 50 48.48	−50.90	23 23 49.1	− 1.0	0.29117	16 15
23	4 49 57.58	50.02	+23 23 48.1	1.4	0.29214	16 17
24	4 49 7.56	49.09	23 23 46.7	1.7	0.29317	16 19
25	4 48 18.47	48.10	23 23 45.0	1.8	0.29426	16 22
26	4 47 30.37	47.06	23 23 43.2	2.0	0.29541	16 24
27	4 46 43.31	−45.98	23 23 41.2	− 1.8	0.29661	16 27
28	4 45 57.33	44.86	+23 23 39.4	1.6	0.29788	16 30
29	4 45 12.47	43.69	23 23 37.8	1.3	0.29919	16 33
30	4 44 28.78	42.47	23 23 36.5	0.9	0.30056	16 36
31	4 43 46.31	41.22	23 23 35.6	0.2	0.30198	16 39
32	4 43 5.09		23 23 35.4		0.30344	16 43

Opp. in AR. Dez. 9 Gröſse = **12.2**

H. Osten

(433) EROS 1914/5 (Forts. aus B. J. 1916)

12h Mittl. Zeit	α vera	Diff.	δ vera	Diff.	log Δ	log r	Phasenwinkel
	h m s	m s	° ′ ″	′ ″			°
Nov. 29	23 1 42.4	+2 54.4	+17 3 43	− 5 15	9.8388	0.1291	44.89
Dez. 1	23 4 36.8	3 4.7	16 58 28	4 12	9.8429	0.1270	45.49
3	23 7 41.5	3 14.6	16 54 16	3 11	9.8469	0.1249	46.06
5	23 10 56.1	3 24.3	16 51 5	2 10	9.8508	0.1228	46.61
7	23 14 20.4	3 33.7	16 48 55	1 12	9.8546	0.1207	47.13
9	23 17 54.1	3 43.0	16 47 43	− 0 14	9.8583	0.1187	47.63
11	23 21 37.1	3 51.9	16 47 29	+ 0 41	9.8620	0.1166	48.11
13	23 25 29.0	4 0.6	16 48 10	1 36	9.8655	0.1145	48.57
15	23 29 29.6	4 9.2	16 49 46	2 30	9.8690	0.1124	49.02
17	23 33 38.8	+4 17.6	16 52 16	+ 3 21	9.8724	0.1104	49.45
19	23 37 56.4	4 25.8	+16 55 37	4 10	9.8757	0.1083	49.86
21	23 42 22.2	4 33.7	16 59 47	4 56	9.8789	0.1062	50.25
23	23 46 55.9	4 41.3	17 4 43	5 40	9.8820	0.1042	50.63
25	23 51 37.2	4 48.8	17 10 23	6 22	9.8850	0.1022	50.99
27	23 56 26.0	4 56.1	17 16 45	7 0	9.8880	0.1001	51.34
29	0 1 22.1	5 3.4	17 23 45	7 35	9.8908	0.0981	51.67
31	0 6 25.5	5 10.3	17 31 20	8 8	9.8935	0.0962	51.99
Jan. 2	0 11 35.8	5 17.2	17 39 28	8 37	9.8962	0.0942	52.30
4	0 16 53.0	5 24.1	17 48 5	9 4	9.8987	0.0923	52.60
6	0 22 17.1	+5 30.7	17 57 9	+ 9 29	9.9012	0.0904	52.89
8	0 27 47.8	5 37.4	+18 6 38	9 51	9.9036	0.0885	53.17
10	0 33 25.2	5 44.1	18 16 29	10 10	9.9059	0.0866	53.43
12	0 39 9.3	5 50.7	18 26 39	10 26	9.9082	0.0848	53.69
14	0 45 0.0	5 56.9	18 37 5	10 39	9.9104	0.0830	53.94
16	0 50 56.9	6 3.4	18 47 44	10 49	9.9125	0.0812	54.17
18	0 57 0.3	6 9.7	18 58 33	10 57	9.9145	0.0795	54.39
20	1 3 10.0	6 15.7	19 9 30	10 59	9.9165	0.0778	54.60
22	1 9 25.7	6 21.8	19 20 29	11 0	9.9185	0.0762	54.81
24	1 15 47.5	6 27.6	19 31 29	10 56	9.9203	0.0746	55.01
26	1 22 15.1	+6 33.2	19 42 25	+10 47	9.9221	0.0730	55.20
28	1 28 48.3	6 39.1	+19 53 12	10 38	9.9239	0.0715	55.38
30	1 35 27.4	6 44.5	20 3 50	10 23	9.9256	0.0701	55.55
Febr. 1	1 42 11.9	6 49.8	20 14 13	10 4	9.9273	0.0687	55.71
3	1 49 1.7	6 55.1	20 24 17	9 44	9.9290	0.0673	55.86
5	1 55 56.8	7 0.3	20 34 1	9 20	9.9306	0.0660	56.01
7	2 2 57.1	7 5.6	20 43 21	8 53	9.9322	0.0648	56.15
9	2 10 2.7	7 10.6	20 52 14	8 22	9.9338	0.0636	56.28
11	2 17 13.3	7 15.3	21 0 36	7 49	9.9353	0.0625	56.40
13	2 24 28.6	7 20.1	21 8 25	7 12	9.9369	0.0614	56.51
15	2 31 48.7	+7 24.7	21 15 37	+ 6 33	9.9384	0.0604	56.61
17	2 39 13.4	7 28.9	+21 22 10	5 49	9.9399	0.0595	56.70
19	2 46 42.3	7 32.9	21 27 59	5 3	9.9415	0.0587	56.78
21	2 54 15.2	7 36.9	21 33 2	4 14	9.9430	0.0579	56.85
23	3 1 52.1		21 37 16		9.9446	0.0572	56.91

Fortsetzung nächste Seite

(433) EROS 1915 (Fortsetzung)

12^h Mittl. Zeit	α_{vera} h m s	Diff. m s	δ_{vera} ° ′ ″	Diff. ′ ″	log Δ	log r	Phasen-winkel
Febr. 25	3 9 32.5	+7 43.6	+21 40 39	+ 2 27	9.9461	0.0566	56°96
27	3 17 16.1	7 46.8	21 43 6	1 29	9.9477	0.0560	57.00
März 1	3 25 2.9	7 49.7	21 44 35	+ 0 31	9.9493	0.0555	57.03
3	3 32 52.6	7 52.3	21 45 6	− 0 31	9.9509	0.0551	57.05
5	3 40 44.9	7 54.6	21 44 35	1 33	9.9525	0.0548	57.06
7	3 48 39.5	7 56.7	21 43 2	2 37	9.9542	0.0546	57.05
9	3 56 36.2	7 58.6	21 40 25	3 43	9.9559	0.0544	57.03
11	4 4 34.8	8 0.4	21 36 42	4 50	9.9576	0.0543	57.01
13	4 12 35.2	8 1.8	21 31 52	5 58	9.9594	0.0543	56.98
15	4 20 37.0	+8 2.9	21 25 54	− 7 7	9.9613	0.0544	56.93
17	4 28 39.9	8 3.6	+21 18 47	8 16	9.9632	0.0545	56.87
19	4 36 43.5	8 4.2	21 10 31	9 26	9.9651	0.0547	56.80
21	4 44 47.7	8 4.5	21 1 5	10 37	9.9671	0.0550	56.72
23	4 52 52.2	8 4.3	20 50 28	11 47	9.9691	0.0554	56.63
25	5 0 56.5	8 3.9	20 38 41	12 57	9.9712	0.0559	56.53
27	5 9 0.4	8 3.3	20 25 44	14 6	9.9734	0.0564	56.42
29	5 17 3.7	8 2.3	20 11 38	15 15	9.9756	0.0570	56.30
31	5 25 6.0	8 1.2	19 56 23	16 23	9.9779	0.0577	56.16
April 2	5 33 7.2	7 59.9	19 40 0	17 29	9.9803	0.0584	56.01
4	5 41 7.1	+7 58.3	19 22 31	−18 34	9.9827	0.0592	55.85
6	5 49 5.4	7 56.6	+19 3 57	19 38	9.9852	0.0601	55.69
8	5 57 2.0	7 54.9	18 44 19	20 40	9.9878	0.0611	55.52
10	6 4 56.9	7 52.7	18 23 39	21 41	9.9904	0.0621	55.34
12	6 12 49.6	7 50.6	18 1 58	22 41	9.9931	0.0632	55.15
14	6 20 40.2	7 48.3	17 39 18	23 37	9.9959	0.0644	54.95
16	6 28 28.5	7 45.8	17 15 41	24 33	9.9988	0.0656	54.74
18	6 36 14.3	7 43.1	16 51 8	25 26	0.0017	0.0669	54.52
20	6 43 57.4	7 40.3	16 25 42	26 17	0.0047	0.0682	54.29
22	6 51 37.7	7 37.4	15 59 25	27 6	0.0078	0.0696	54.06
24	6 59 15.1	+7 34.4	15 32 19	−27 53	0.0110	0.0710	53.82
26	7 6 49.5	7 31.2	+15 4 26	28 37	0.0142	0.0725	53.57
28	7 14 20.7	7 27.9	14 35 49	29 18	0.0175	0.0740	53.31
30	7 21 48.6	7 24.8	14 6 31	29 58	0.0208	0.0756	53.03
Mai 2	7 29 13.4		13 36 33		0.0243	0.0773	52.73

1914/5	Größe m	Aberr.-Zt m s
Dez. 1	10.45	5 47
11	10.49	6 3
21	10.53	6 17
31	10.55	6 30
Jan. 10	10.56	6 41
20	10.57	6 51
30	10.58	7 0
Febr. 9	10.59	7 8

1915	Größe m	Aberr.-Zt m s
Febr. 19	10.60	7 16
März 1	10.62	7 24
11	10.66	7 32
21	10.71	7 42
31	10.78	7 54
April 10	10.86	8 8
20	10.96	8 24
30	11.08	8 43

Erläuterungen.

Bahnelemente der Kleinen Planeten (S. (2)—(43)).

In der Übersicht der Bahnelemente geben die unmittelbar der Nummer und dem Namen folgenden Kolumnen das Datum der Opposition im Jahre 1915 und die gleichzeitige Größe des Planeten, sofern im Jahre 1915 eine solche Opposition stattfindet. Diese Angaben fehlen nur bei den 17 Planeten: 99, 132, 155, 193, 220, 285, 323, 330, 353, 392, 396, 400, 452, 463, 473, 493, 515, deren Ort infolge der Unsicherheit der Elemente auch nicht angenähert verbürgt werden kann. Die weiteren Daten: die mittlere Größe m_0, d. h. die Größe, welche der Planet in seiner mittleren Entfernung a von der Sonne und der gleichzeitigen Entfernung $a—1$ von der Erde haben würde, und g, berechnet nach der Formel

$$g = m_0 - 5 \log a\,(a - 1),$$

dienen dazu, für einen beliebigen Ort des Planeten ($\varDelta$ Entfernung von der Erde, r von der Sonne) seine Größe M zu berechnen

$$M = g + 5\,(\log \varDelta + \log r).$$

Die im Berliner Jahrbuch für 1916 gegebene Zusammenstellung der Elemente hat hier folgende Änderungen erfahren, die zum Teil auf brieflichen Mitteilungen der Herren Cerulli, L. Fabry, Luther, Mader, Osten und Samter beruhen:

(14) Neue Elemente aus 1913 März 15 (Düsseldorf), April 9, Mai 9 und Juni 11 (Marseille). Korrektion der Ephemeride 1914 Juni 30 $-1^m.6$, $-4'$. — L. Fabry

(49) Elemente aus der Erscheinung 1908 ([1908 *BS*] = 49) genähert verbessert nebst speziellen Störungen. — Berberich

(52) Durch genäherte Rechnung wurden Elemente abgeleitet aus den Beobachtungen der Jahre 1910, 1912, 1913. — L. Fabry

(82) Spezielle Störungen fortgesetzt. — Luther

(89) Nach Bull. astr. **31**, 28. — Blondel

(109) M und μ empirisch korrigiert. — Berberich

(113) Spezielle Störungen fortgesetzt. — Luther

(117) Neue Elemente aus 1913 Okt. 28. Dez. 1; 1914 Jan. 10, Febr. 13 (Algier, photographische Beobachtungen). Störungen während dieses Zeitraums berücksichtigt. L. Fabry

(165) *M* korrigiert. Berberich

(178) Ausgleichung der Beobachtungen zwischen 1877 und 1910 und allgemeine Störungen durch Jupiter und Saturn. Osten

(231) Verbesserte Umrechnung der $de \sin \omega$ und $de \cos \omega$ in der Störungsrechnung. Berberich

(241) Spezielle Störungen fortgesetzt. Luther

(247) Spezielle Störungen fortgesetzt. Luther

(251) *M* empirisch korrigiert; für μ der frühere Wert wieder eingesetzt. Berberich

(260) Ausgleichung aller Beobachtungen mit Berücksichtigung der Störungen. Hiller

(265) Spezielle Störungen fortgesetzt. Berberich

(268) Spezielle Störungen. Berberich

(288) Spezielle Störungen fortgesetzt. Luther

(294) Durch Distanzenvariation wurden die beiden ersten Erscheinungen 1890 und 1891 verbunden und mit den daraus gewonnenen Elementen genäherte spezielle Störungen gerechnet, so daß — nach empirischer Korrektion von μ um $+0''.225$ — die beobachteten Erscheinungen wie folgt dargestellt wurden:

	$\Delta\alpha$	$\Delta\delta$	
1890	$0^m.0$	0'	
1891	0.0	0	
1906	0.0	—2	
1913	—0.1	+1	[1913 *TP*]

Stracke

(301) Durch Berücksichtigung der speziellen Störungen von 1903 Okt. bis 1904 Dez. wird eine empirische Korrektion überflüssig. Berberich

(303) Nach Astr. Nachr. Bd. **197**, 415. Millosevich

(308) Genäherte Elemente aus den Erscheinungen 1902—1913. L. Fabry

(312) *M* und μ empirisch korrigiert. Berberich

(324) Spezielle Störungen fortgesetzt. Berberich

(328) Spezielle Störungen fortgesetzt und μ empirisch korrigiert um $-0''.2$ von 1892 März 22.5 an. Berberich

(361) Spezielle Störungen fortgesetzt. Berberich

(371) Bahnverbesserung und Fortsetzung der speziellen Störungsrechnung. Mader

(372) Spezielle Störungen fortgesetzt. Berberich

(393) Spezielle Störungen fortgesetzt. Berberich

(397) Bahnverbesserung. Mader

(434) Spezielle Störungen fortgesetzt. Berberich

(437) Spezielle Störungen fortgesetzt. Berberich

(444) Nach Bull. astr. **31**, 166. L. Fabry

(456) Spezielle Störungen fortgesetzt. Berberich

(466) Spezielle Störungen fortgesetzt. Berberich

(484) Genähert differentiell verbessert. Berberich

(486) Elemente durch Distanzenvariation in genähertem Anschluß an [1913 *TJ*] verbessert, mit dem (486) wahrscheinlich identisch ist. Berberich

(492) Neue Elemente aus der Erscheinung 1913 ([1913 *SP*]) durch Distanzenvariation erhalten. Berberich

(497) Bahnverbesserung durch Distanzenvariation unter Berücksichtigung der sehr großen Störungen. Zum besseren Anschluß an die Opposition 1913 wurde M noch um —24′ geändert. Berberich

(510) Bahnverbesserung durch Distanzenvariation; spezielle Störungen von 1903—06. Berberich

(511) Spezielle Störungen fortgesetzt. Strehlow

(519) Genäherte differentielle Elementenverbesserungen aus 5 Erscheinungen; teilweise spezielle Störungen. Berberich

(528) Spezielle Störungen 1904—13; der Restfehler in Opposition 1913 wurde durch die Korrektion $\Delta M = -30'$ beseitigt. Berberich

(537) Neue Elemente aus 1914 März 31 (Heidelberg), Mai 3, Juni 20 (Wien). (B-R) Wien Mai 25: $-0^s.02$, $+0''.5$. — Die übrigen Erscheinungen werden wie folgt dargestellt:

	$\Delta\alpha$	$\Delta\delta$
1902	$+ 7^m.4$	$- 7'$
1904	+39.7	—55
1905	+ 5.5	+44
1907	+ 0.8	+ 1
1908	+ 1.1	— 2
1909	+ 3.2	—16

Störungsrechnung zur Beseitigung der Widersprüche ist in Angriff genommen. Stracke

(563) Spezielle Störungen fortgesetzt; Elemente genähert differentiell verbessert im Anschluß an 6 Erscheinungen. Berberich

(564) Spezielle Störungen von 1905—10, durch deren Berücksichtigung die Erscheinung 1914 nahezu völlig dargestellt wird. Berberich

(567) identisch mit [1907 *AN*] = [1907 *AR*] = [1909 *FM*] = [1913 *TN*]. Elemente aus Beobachtungen 1913/4 durch Distanzenvariation in genähertem Anschluß an die früheren Erscheinungen verbessert. Berberich

(569) Spezielle Störungen durch Jupiter und Saturn. Mader

(570) Spezielle Störungen 1905—11. Restfehler in den 5 beobachteten Erscheinungen gering. Berberich

(575) Genäherte Verbesserung durch Distanzenvariation. Berberich

(598) Spezielle Störungen, Einfluß auf den Ort sehr groß. Berberich

(604) Neue Elemente aus 1906 Febr. 16, 23, März 25 (Taunton).

			$\Delta\alpha$	$\Delta\delta$
			s	"
B-R:	Taunton	Febr. 17	—0.33	+0.6
	»	März 14	+0.57	+3.5

Stracke

(612) Neue Elemente aus 1906 Okt. 11, 23, Nov. 11 (Wien).

				$\Delta\alpha$	$\Delta\delta$
				s	"
B-R:	Heid.	Okt.	8	—0.51	+1.9
	Wien		12	—0.27	+2.1
	»		17	+0.04	—2.2
	Heid.	Nov.	8	+0.15	—2.8

In den früher gegebenen Elementen von R. Coniel war ☊ um 180° falsch. Stracke

(639) Genäherte Verbesserung durch Distanzenvariation. Berberich

(651) μ empirisch korrigiert um —1".25 gibt für die Erscheinungen 1905, 1907, 1909, 1912 nahe Darstellung. Stracke

(656) Distanzenvariation und spezielle Störungen. Berberich

(671) Neue Elemente aus 1908 Sept. 21 (2 Beob.), Okt. 17, Nov. 16 (Wien).

				$\Delta\alpha$	$\Delta\delta$				$\Delta\alpha$	$\Delta\delta$
				s	"				s	"
B-R:	Wien	Sept.	21	+0.01	—0.1	Wien	Okt.	4	—0.24	+0.5
	»		22	+0.46	+1.6	»		17	—0.03	—0.9
	»		24	+0.05	+0.4	»		22	—0.40	+1.7
	»		28	—0.13	—1.5	»		29	—0.11	+4.5
	»		30	—0.15	—1.5	»	Nov.	16	+0.01	0.0
	»	Okt.	2	—0.22	—0.6					

Stracke

(699) Spezielle Störungen fortgesetzt. Berberich

(704) Elemente aus sämtlichen 430 Beobachtungen der 3 ersten Erscheinungen 1910/11, 1912, 1913 mit Berücksichtigung der Jupiter- und Saturnstörungen. Cerulli

(707) Neue Elemente aus 1910/11 Dez. 29, Jan. 17, 31 (Wien) und Febr. 27 (Heidelberg).

				$\Delta\alpha$	$\Delta\delta$				$\Delta\alpha$	$\Delta\delta$
				s	"				s	"
B-R:	Wien	Dez.	28	—0.08	+5.1	Wien	Jan.	17	+0.46	—1.7
	»		29	0.00	0.0	»		23	+0.20	+1.1
	»	Jan.	1	+0.09	—4.4	»		26	+0.24	+2.0
	»		6	+0.09	+0.8	»		29	+0.13	+2.5
	»		8	+0.16	+1.4	»		31	+0.17	+2.3

Stracke

(713) Das μ der ersten Bahn war seinerzeit, um Beobachtungen früherer Jahre darzustellen, entsprechend korrigiert worden. Diese Korrektion wurde jetzt weggelassen, da sie neueren Beobachtungen widerspricht. Stracke

(718) Mit neuen Elementen aus 1914 Febr. 28, März 18, 29 (Wien) wurde Distanzenvariation durchgeführt, so daß die Erscheinungen 1914 und 1911 gut dargestellt wurden. Eine Korrektion von $\Delta\mu = +1''.5$ wurde angebracht, um auch die Erscheinung 1904 ([1904 *OD*]) darzustellen. Strehlow

(729) Durch Distanzenvariation wurden die beiden Erscheinungen 1912 und 1913 vereinigt:

			$\Delta\lambda$	$\Delta\beta$
B-R: Winch.	1912 April	8	$-2''.9$	$-1''.5$
	1913 Juni	7	$-4'$	$+2'$
		27	-4	$+3$

Stracke

(734) Neue Bahn aus 1912 Okt. 11, Nov. 8, Dez. 3 (Wien), da die Erscheinung 1914 stark von der alten Bahn abwich. Jetzige Darstellung:

Wien 1912	Okt. 20	$-0^s.02$	$+0''.4$
	Dez. 13	$+0.06$	-4.5
1914 März 29	Wien	$+0^m.2$	$-1'$

Stracke

(754) Spezielle Störungen fortgesetzt. Berberich

Die Zahl der numerierten Planetenbahnen ist um 37 neue vermehrt worden und somit jetzt auf 791 gestiegen, worüber das Nähere Astr. Nachr. Bd. **199**, 321 zu finden ist. Dazu gehörten auch die Planeten [1902 *JT*], [1908 *DC*], [1912 *NW*] und [1912 *PE*], für die bisher unnumerierte elliptische Bahnen gegeben waren. Die Elemente von 1902 *JT* wurden durch die des mit ihm identischen, aber unabhängig aufgefundenen (767) [1913 *SX*] ersetzt. Die anderen 3 Objekte wurden auf Grund der provisorischen Elemente in den Jahren 1913 und 1914 aufgefunden; für (756) [1908 *DC*] konnten die alten Elemente beibehalten werden, für (758) [1912 *PE*] Mancunia und (790) [1912 *NW*] wurden neue Elemente berechnet. Außerdem wurden unnumerierte elliptische Elemente für [1907 *YC*], [1907 *ZC*], [1907 *ZD*], [1907 AL_1], [1908 *CY*], [1908 EK^a], [1913 *TB*] und [1913 *TC*], sowie Kreisbahnen von [1906 *VE*], [1913 *SY*], [1913 *TF*] und [1913 *TG*] neu aufgenommen; auch darüber vergl. Astr. Nachr. Bd. **199**, 321.

Mehrere Größenangaben wurden revidiert und berichtigt; nach neuen Beobachtungen wurden die Größen von (695) und (790) angesetzt.

Kurze und ausführliche Oppositionsephemeriden

(S. (44)—(101)).

Für alle im Jahre 1915 in Opposition gelangenden numerierten Kleinen Planeten (mit Ausnahme der oben namhaft gemachten 17 unsicheren Objekte) sind kurze Oppositionsephemeriden auf der Grundlage

der in Tabelle S. (2)—(41) enthaltenen elliptischen Elemente gerechnet worden. Nur für die Planeten 8, 9, 13, 15, 18, 21, 29, 32, 40, 58, 93, 103, 105, 115, 119, 123, 128, 133, 139, 174, 179 und 471 sind die Störungen nach den vorliegenden Tafeln, für 48 nach M. Shilow, für 178 und 447 nach H. Osten, in den Ephemeriden berücksichtigt. Die Ephemeriden der Planeten 1—3 sind dem Nautical Almanac für 1915 entnommen.

Die Ephemeriden sind nach dem Oppositionsdatum, das in kleinerer Type an der Seite beigefügt ist, geordnet. Der Kopf enthält Nummer, Namen und genäherte Oppositionsgröße des Planeten, sowie das letzte Jahr, aus dem mit Sicherheit identifizierte Beobachtungen — soweit bis zum 30. September 1914 hier bekannt — vorliegen. Die Ephemeride selbst gibt sechs auf das mittlere Äquinoktium 1910.0 bezogene Örter in 8tägigen Intervallen; in Erweiterung der vorjährigen Ephemeriden sind für die beiden äußeren Daten anstelle der $\log \Delta$ die $\log r$ (in Klammern gesetzt) gegeben.

Für 7 Planeten folgen ausführliche Oppositionsephemeriden, auf welche ein dem Planetennamen bei den kurzen Ephemeriden beigefügter Stern hinweist. Außerdem ist für (433) Eros eine Fortsetzung der Oppositionsephemeride im B. J. 1916 gegeben, die neben den üblichen Daten den Radiusvektor, die Größe in $0^m.01$ Größenklassen und den Phasenwinkel enthält.

Berichtigungen.

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(Angaben für 1913)

S. (36) (699) Epoche: 1913 Febr. 25.0 statt Febr. 15.0

S. (42) (218) Corr. der Ephemeride $-11^m.3 + 7'$

S. (45) (699) Corr. der Ephemeride $-5^m.4 + 29'$

S. (70) (254) δ, log Δ und Größe sind zu ersetzen durch:

Okt.	23	+15° 6′	0.140	Gr. $13^m.9$
Nov.	2	+14 31	0.142	
	12	+13 56	0.153	
	22	+13 26	0.172	

S. [27] (371) Zeile 6 von unten muß es heißen: Bahnverbesserung mit Berücksichtigung der Störungen statt weitergeführte Berechnung der Störungen

S. [27] (397) Zeile 5 von unten ist 397 (Mader) zu streichen

Jahrbuch 1916

(Angaben für 1914)

S. (36) (699) Epoche: 1913 Febr. 25.0 statt Febr. 15.0
S. (58) (699) Corr. der Ephemeride $-14^m.7$ $+27'$
S. (87) (596) Ephemeride fehlt:

(596) Scheila $12^m.7$ 1911

	α		δ		
Dez. 2	$5^h 47^m.3$	7.4	+27° 25′	25	0.385
10	16 5 39.9	8.0	+27 50	20	0.380
18	5 31.9	8.0	+28 10	16	0.378
26	5 23.9	7.4	+28 26	13	0.380
34	5 16.5	6.3	+28 39	13	0.385
42	5 10.2		+28 52		0.393

S. (99) (371) u. (397) sind unter Absatz 1 zu streichen und auf S. (100) in Absatz 2c aufzunehmen

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(Angaben für 1915)

S. (14) (260) Huberta lies: Febr. 18, $14^m.4$ statt Jan. 10. $14^m.2$ und die Elemente:

M = 109° 51′ 44″.6	φ = 7° 15′ 46″.1	
ω = 170 32 10.9	μ = 556″.741	
☊ = 167 30 25.0	log a = 0.536237	
i = 6 21 50.1		

Danach ist die Ephemeride auf S. (45) durch folgende zu ersetzen:

	α		δ		
Febr. 3	$10^h 14^m.1$	5.3	+ 7° 56′	35	(0.587)
11	18 10 8.8	5.4	+ 8 31	37	0.460
19	10 3.4	5.4	+ 9 8	40	0.459
27	9 58.0	5.0	+ 9 48	37	0.461
März 7	9 53.0	4.4	+10 25	34	0.465
15	9 48.6		+10 59		(0.588)

S. (56) Vor (113) Amalthea fehlt *

Veröffentlichung Nr. 42

Identifizierungsnachweis der kleinen Planeten

S. 16 u. 22: (294) Felicia ist nicht identisch mit 1910 *JL*
S. 18 bei 1913 *QP* lies **194**, 80 statt **194**, 84
S. 18 Note 8: 1913 *SH* = 1912 *NW*? fällt weg
S. 24 bei (499) Venusia statt Bem. 27 lies Bem. 37
S. 25 die Fußnote 4) gehört zu (528), nicht zu (527)
S. 29 letzte Zeile: statt Liste Wolf (AN. **179**, 207—210)
lies Liste Wolf (AN. **129**, 339—342)

Alphabetisches Sachregister.

Buchdruckerei A. W. Schade, Berlin N. 39, Schulzendorfer Str. 26.